Intelligent Skin Diagnosis System

(for sebum/moisture/elasticity/pigment analysis)

with Customer Management System

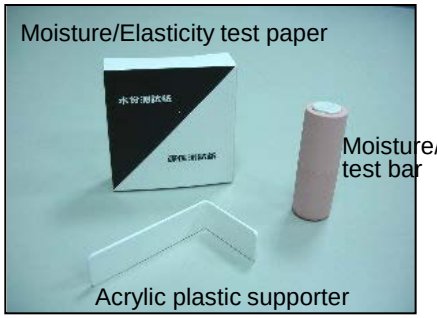
HD - SMEP + CMS software User's manual

•System requirement: a. IBM compatible PC
b. CPU: P4 with 40G HDD 1.5Hz or up
c. RAM: 512M or above
d. VGA memory: 32M above

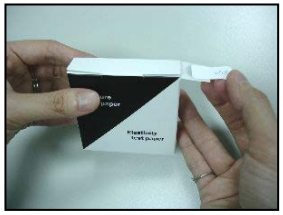
Required OS: Windows XP, Vista, 7 & 8

Standard package of HD - SMEP + CMS software :

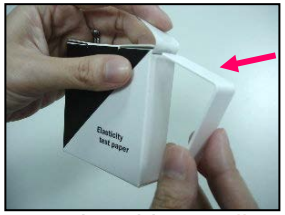
1. CD of “HD - SMEP + CMS” software (Software installation & User’s manual)
2. **HD-1x ADJ. (Lens 1x focus adjustable for taking picture)**
3. Initial parameter paper & private regist code
4. Sebum test bar (silver color) x 1
5. Moisture/Elasticity test bar (pink color) x 1
6. Moisture/Elasticity test paper x 2 boxes
7. Acrylic plastic supporter x 1
8. Cleaning tissue x 1



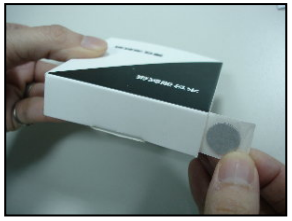
Remark: Usage of Moisture/Elasticity test paper



Tear the sticker of the test paper on white box.



Insert the white acrylic plastic supporter into the arrow area.



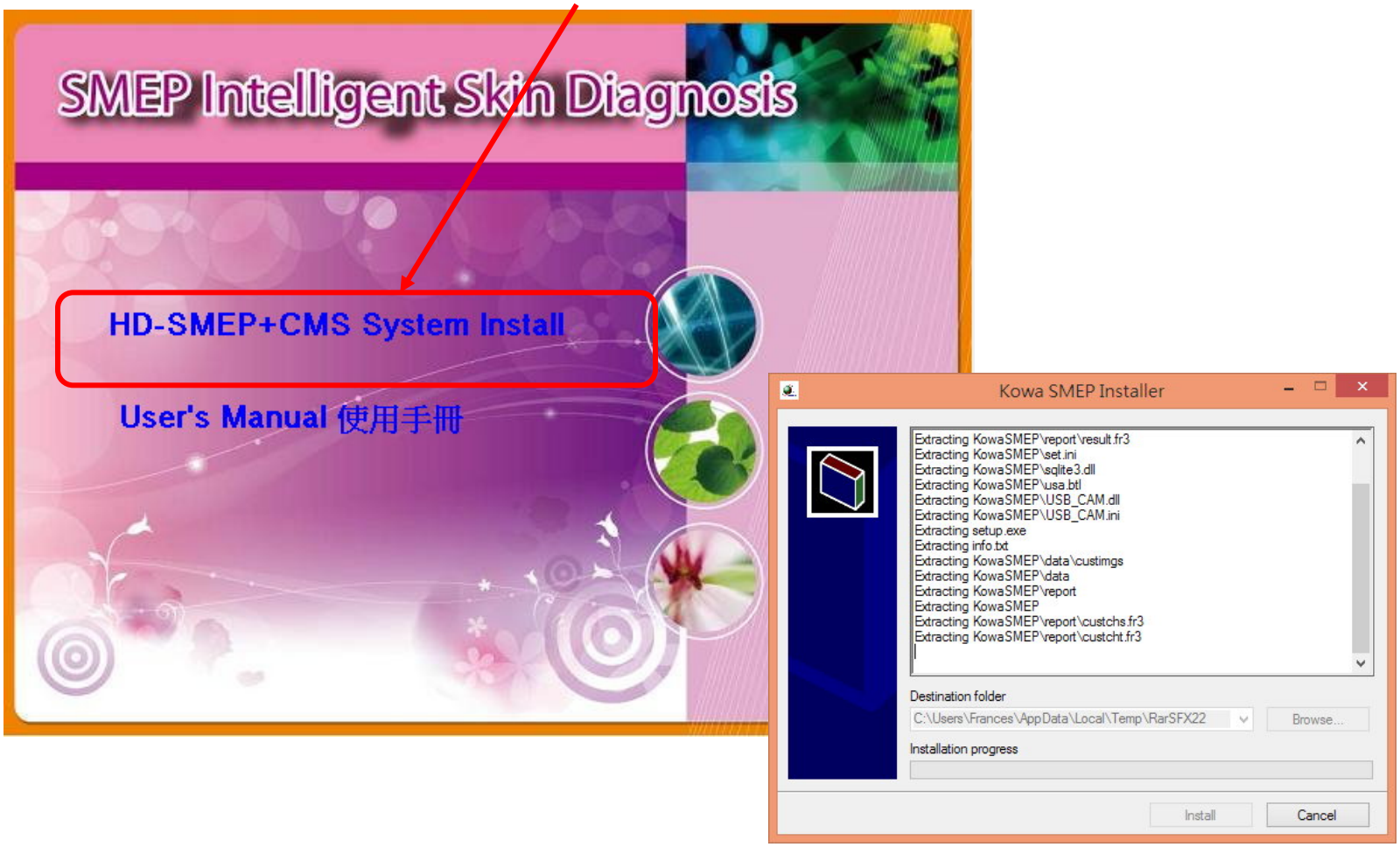
Pull one round white test paper out.

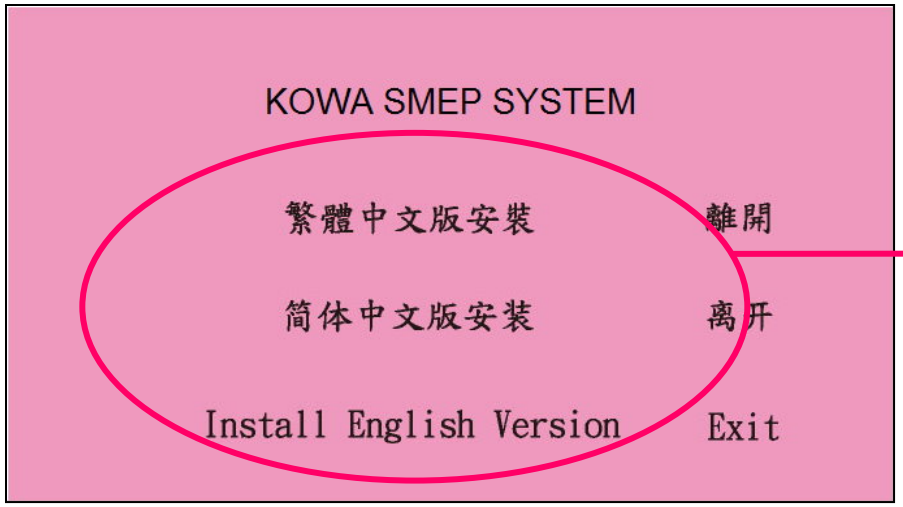
Tear the upper transparent sticker apart.

Touch properly the white plate of moisture/elasticity test bar to the white side and the black sticker paper will be on the top of test bar.

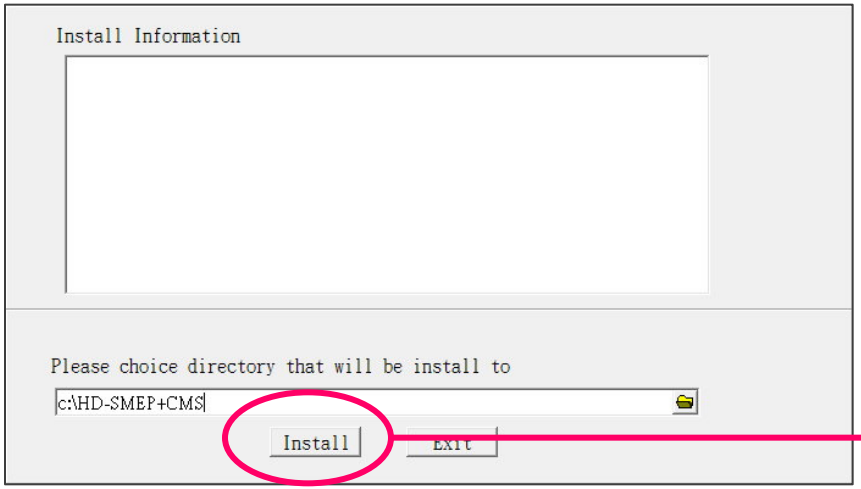
* HD-SMEP+CMS software installation

Insert the software CD-R into the CD-ROM drive，in the setup page please click **“HD-SMEP+CMS System install”** to install the HD-SMEP+CMS software.



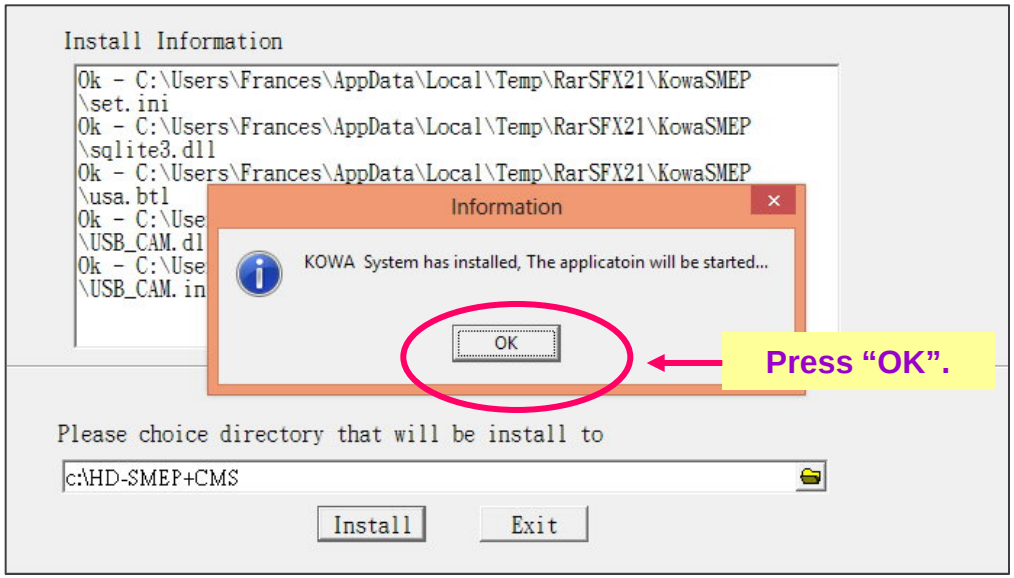


Select the language version you need.



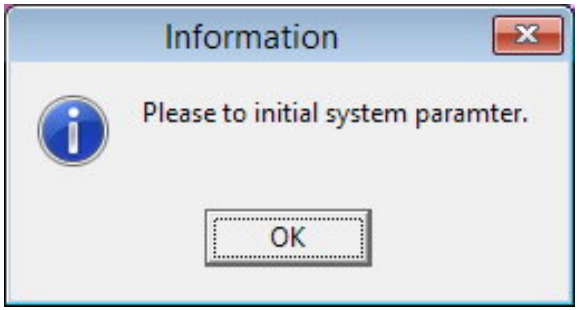
Under installation process.

* Notice for Installation system



Installation completed, press "**OK**" for first executing the software.

* Afterwards you can double click "**HD–SMEP+CMS**" icon on the main screen (desktop) of PC to enter the software.

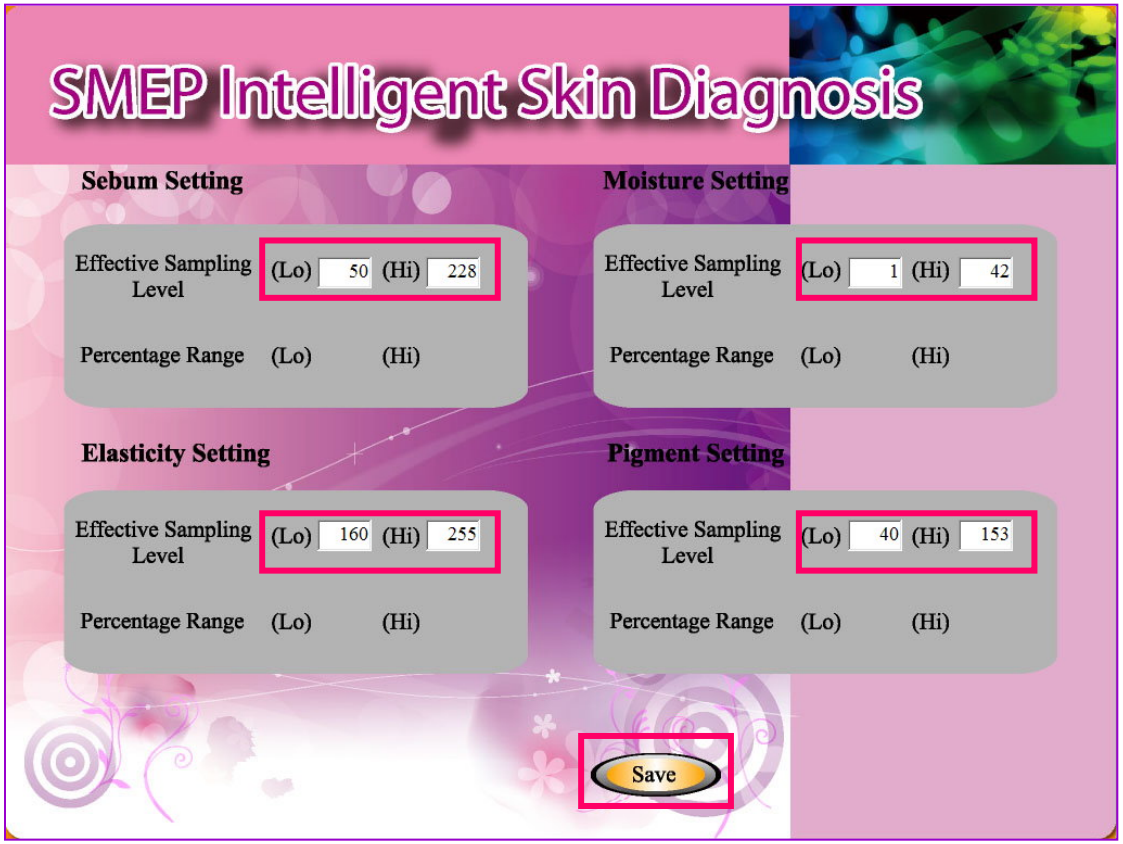


For 1st executing HD-SMEP+CMS software, click "**OK**" to make initial parameter setting.

* Initial Parameter Setting

Each main unit has been passed the accuracy correction. Each individual unit has its own setting values (as per the parameter paper with its package). **When you enter "HD-SMEP+CMS" at the first time**, please make correction in advance.

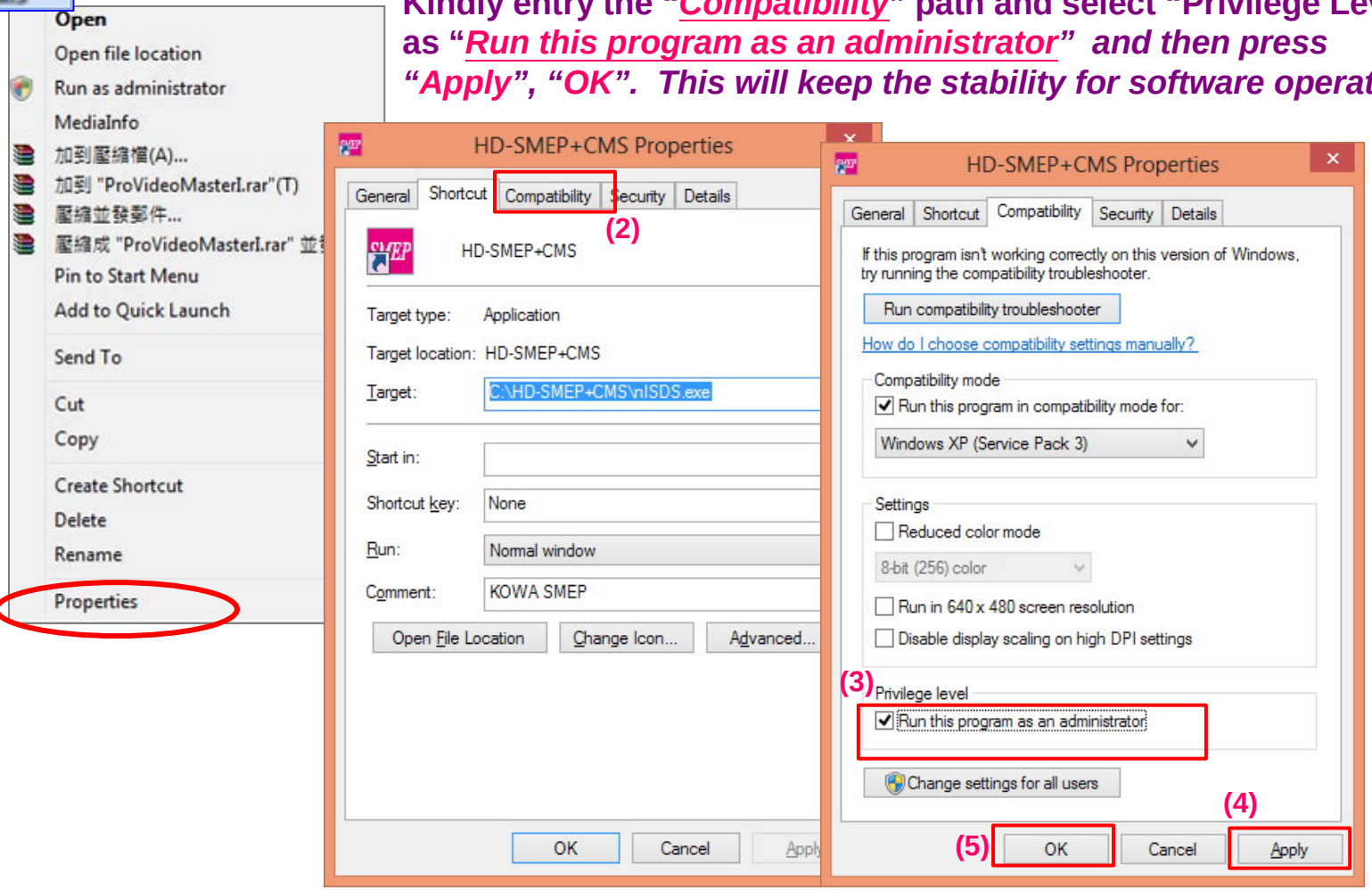
Input the correct setting values of the right unit in the red areas press "**Save**" to complete the private setting.



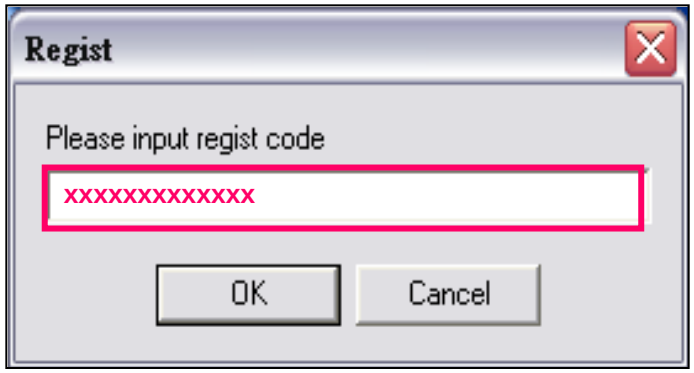
At the early beginning to use this software, we strongly recommend you to set up company and suggested products database (Referring to page 44-45).

Please press with the right mouse on “HD-SMEP+CMS” icon, then select the “*Properties*” item.

Kindly entry the “*Compatibility*” path and select “Privilege Level” as “*Run this program as an administrator*” *and then press “Apply”, “OK”. This will keep the stability for software operation.*

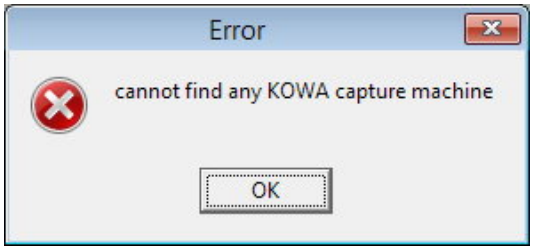


* First entry the software system



For entering the software at the first time, please make sure the main unit connect to computer and powered on. You should input the private password (regist code) for your right unit.

(The regist code is in initial parameter paper with the package.)



If the main unit and computer are not connected & powered on, the error message will appear while clicking “SMEP” icon from desktop.

There will be an error message for wrong regist code. Please check again and input the correct regist code in order to enter the software.

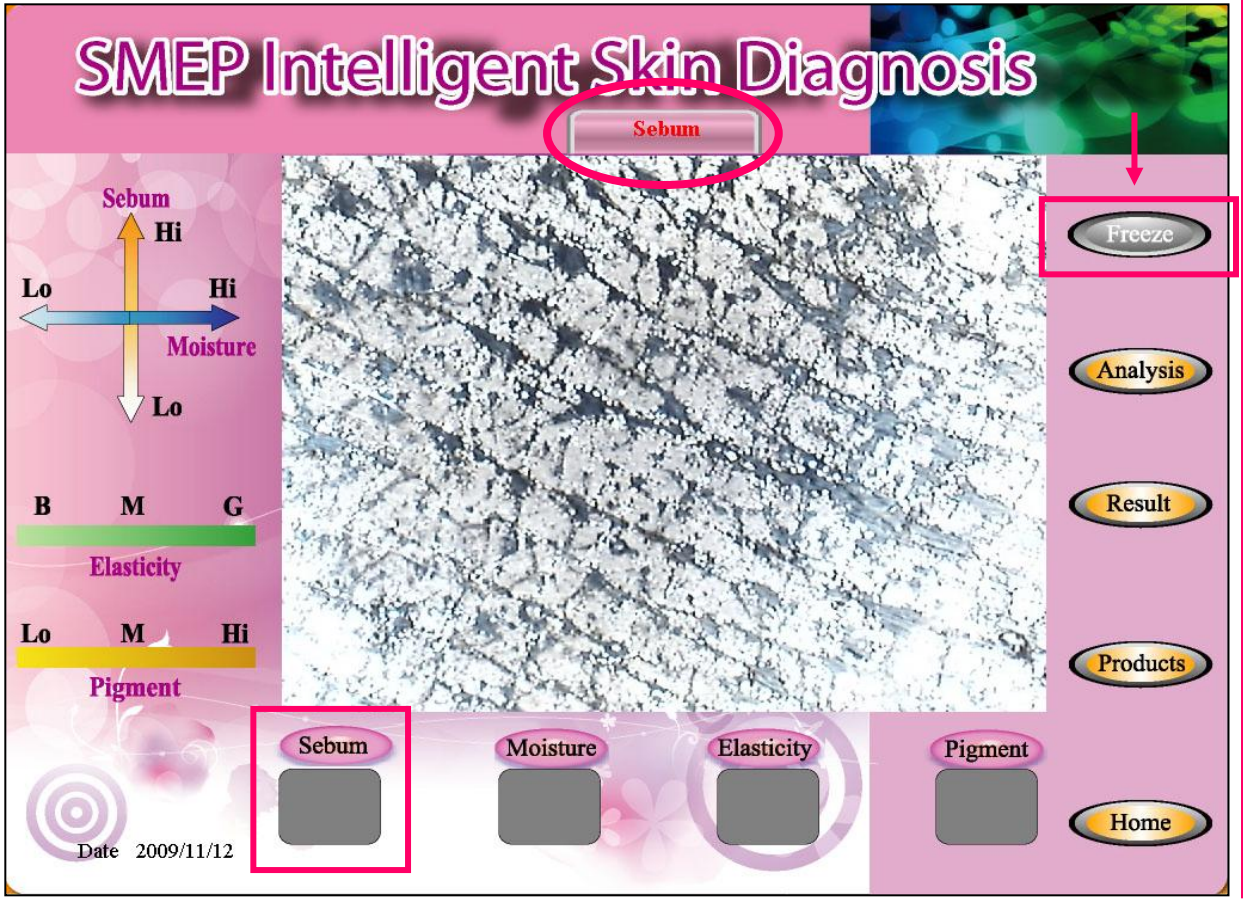
* Home page of the HD-SMEP+CMS software

1. SKIN DIAGNOSIS

Click **“Skin Diagnosis”** to start the SMEP auto analysis process.

1-1 Sebum Analysis test procedures

(1) Firstly start from defaulted “sebum” test. After getting the sampled image from sebum test bar, please click “**Freeze**” (or press “**Frame Freeze**” button on probe) to capture the image.

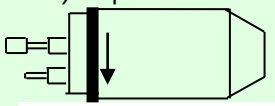


Method to get a Sebum sample

a. Be sure to clean the Sebum test bar (metal side) with cleaning tissue or alcohol pad time before use.

b. Touch the sebum test bar **(metal side)** to the skin part you want to test. (Suggested test part: forehead)

c. Set IBS-50RN lens to the normal (texture) inspection mode



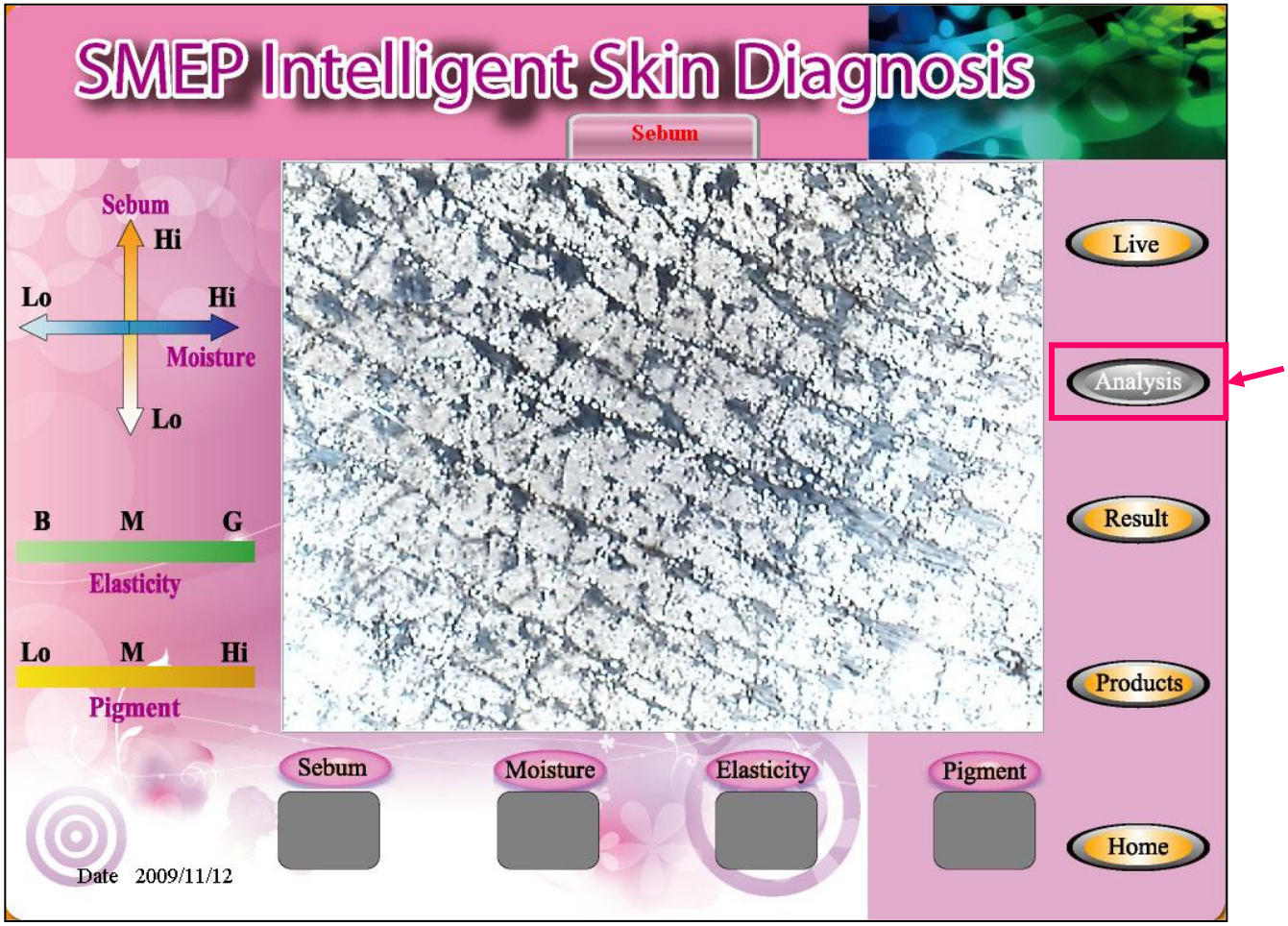
Texture / normal inspection
(Surface inspection)

d. Contact the lens to the metal side & freeze picture (press freeze button).

e. Be sure to clean the Sebum test bar (metal side) with the cleaning tissue and alcohol each time before use.

* If you want to get new sampled image, please click “**Live**” (or press “**Frame Freeze**” button on probe).

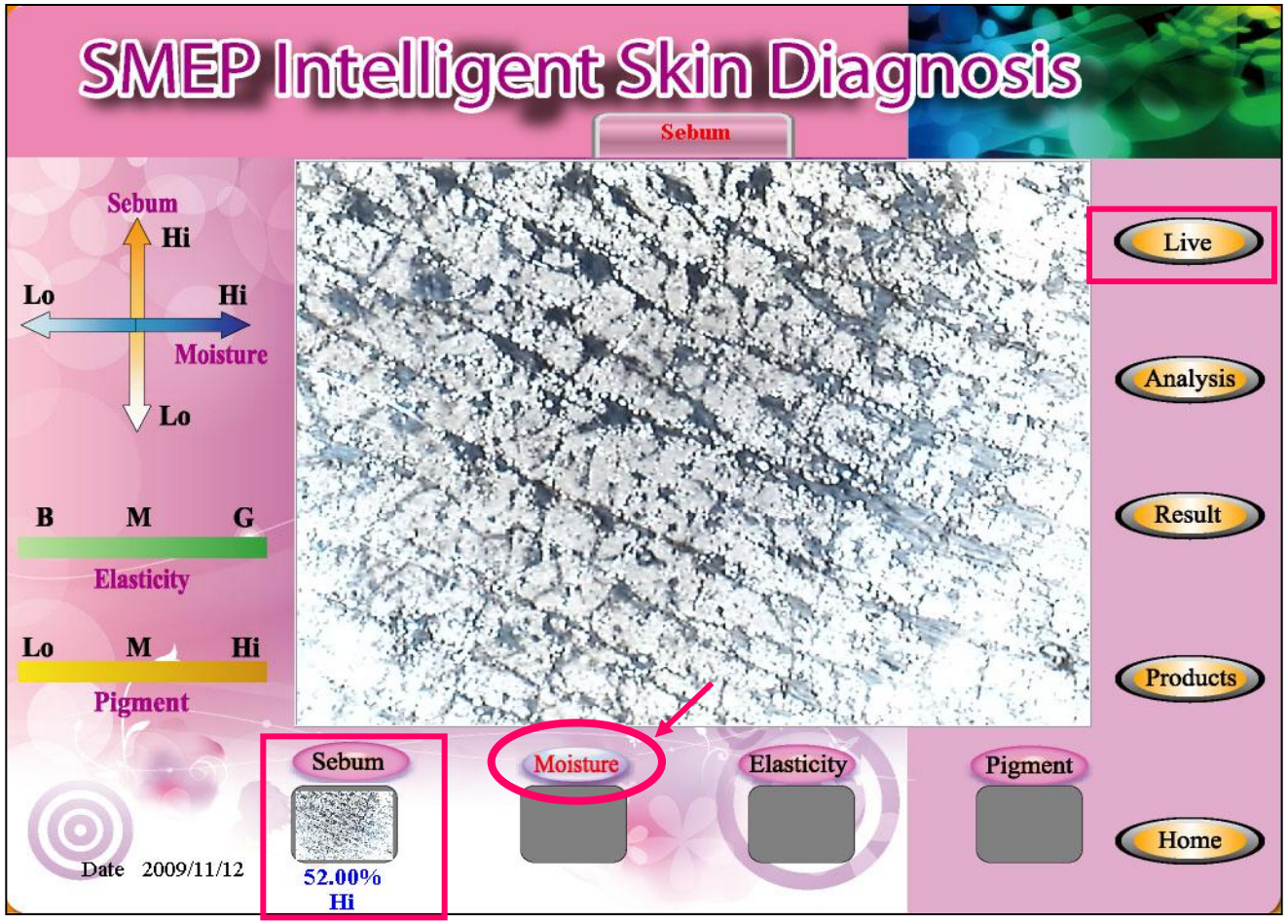
(2) Click “**Analysis**” (or press “**Frame Freeze**” button on probe) to begin sebum analysis.



(3) Analyzing now.

(4) Sebum analysis is complete. You can see Sebum test result. Next click "**Moisture**" to operate moisture test.

Click "**Moisture**" to let view image window live.

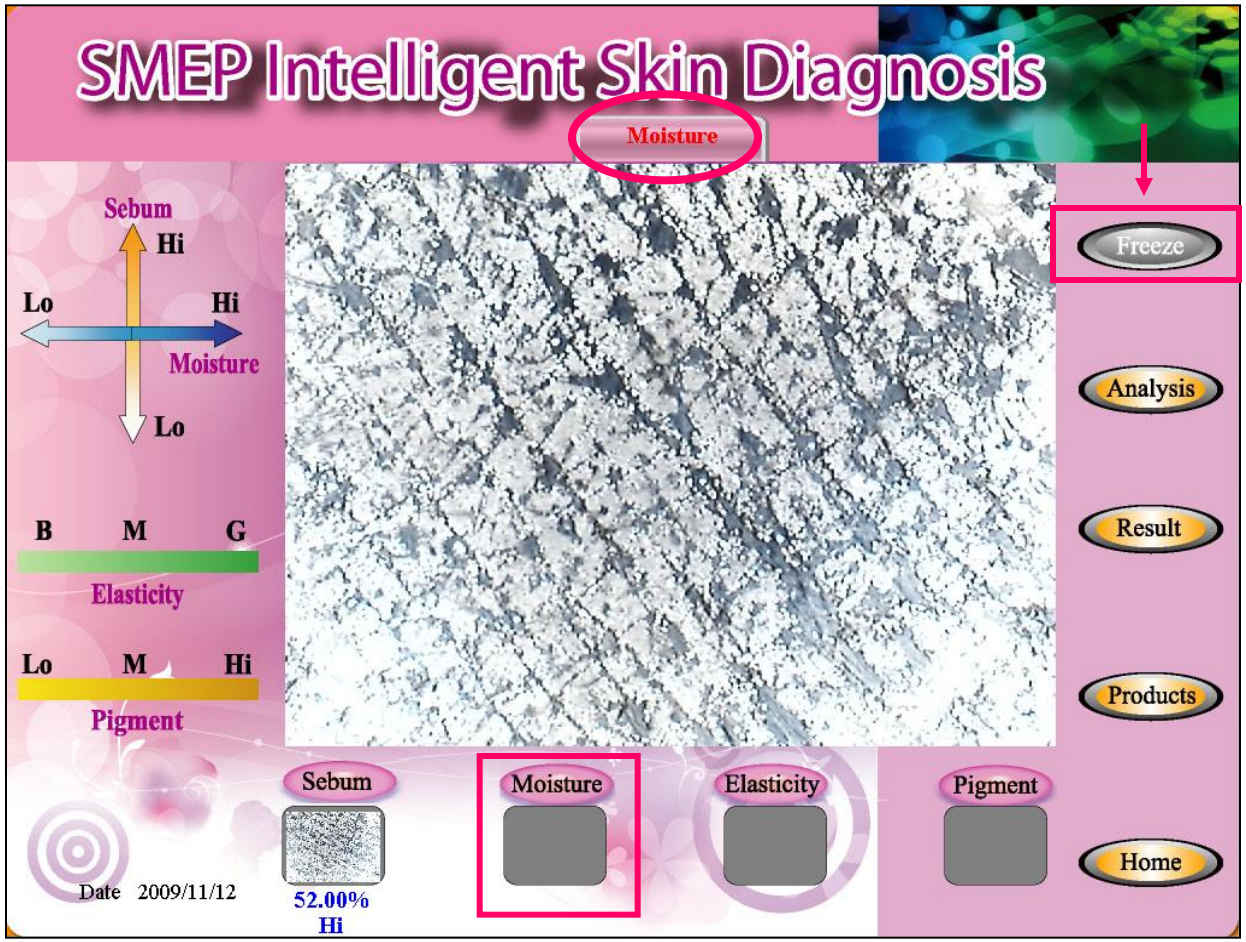


Or click "**Live**" to let image window live.

Sebum test result

1-2 Moisture Analysis test procedures

(1) "Moisture" test, after getting the sampled image from moisture test bar, please click "**Freeze**" (or press "**Frame Freeze**" button on probe) to capture the image.

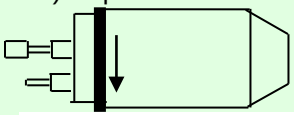


Method to get Moisture sample

a. Moisture/Elasticity test bar (pink color) with a round sticker. (* change the test paper each time you use it.

b. Touch the paper side to the skin part you want to test.
(Suggested test part: lower cheek)

c. Set IBS-50RN lens to the normal (texture) inspection mode



Texture / normal inspection
(Surface inspection)

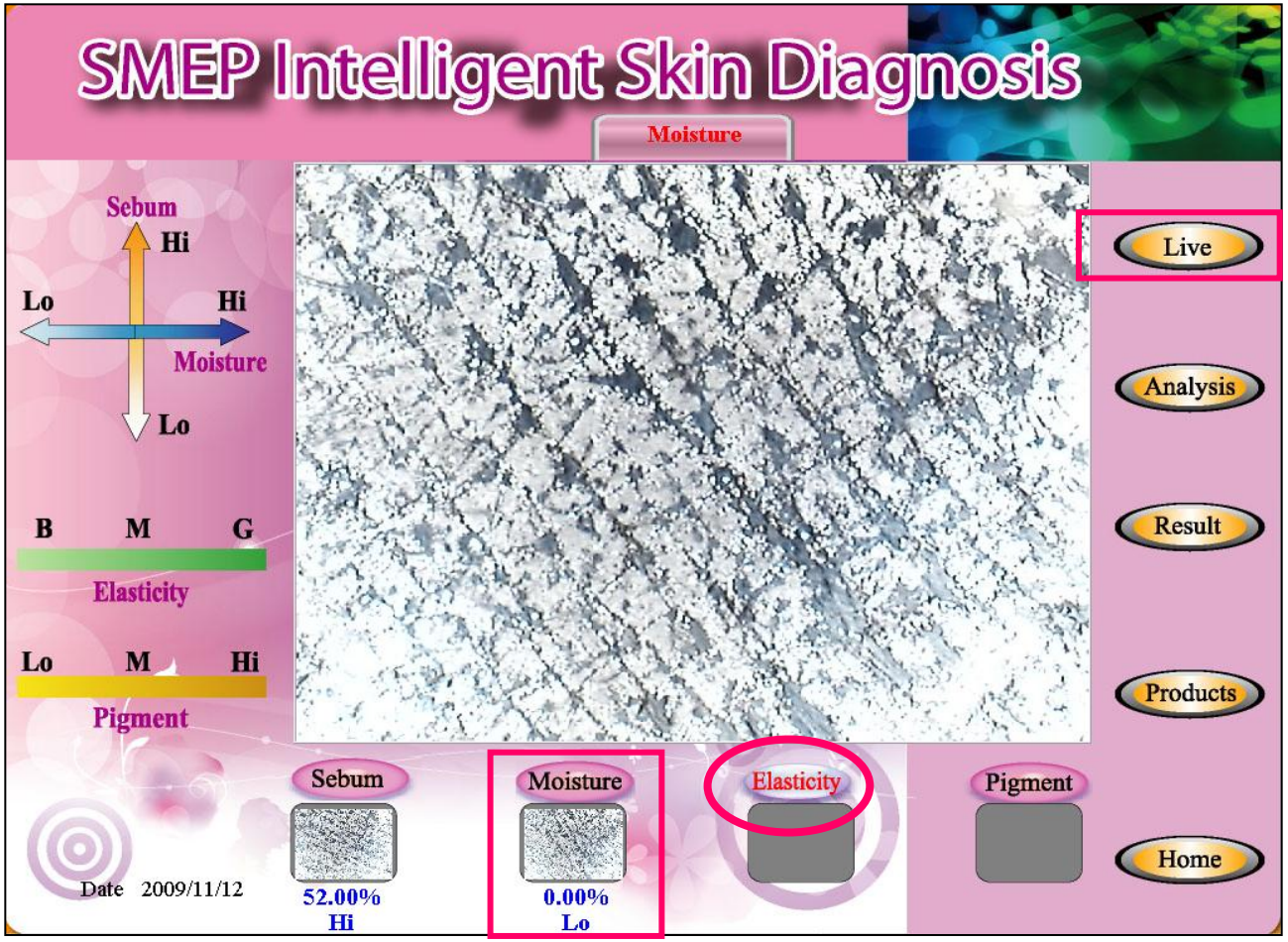
d. Contact the lens to the paper side & freeze picture (press freeze button).

* If you want to get new sampled image, please click “**Live**” ” (or press “**Frame Freeze**” button on probe).

(2) Click “**Analysis**” (or press “**Frame Freeze**” button on probe) and the system is analyzing now.

(3) Moisture analysis is completed. You can see Moisture test result. Click "**Elasticity**" to operate elasticity test.

Click "**Elasticity**" to let view image window live.

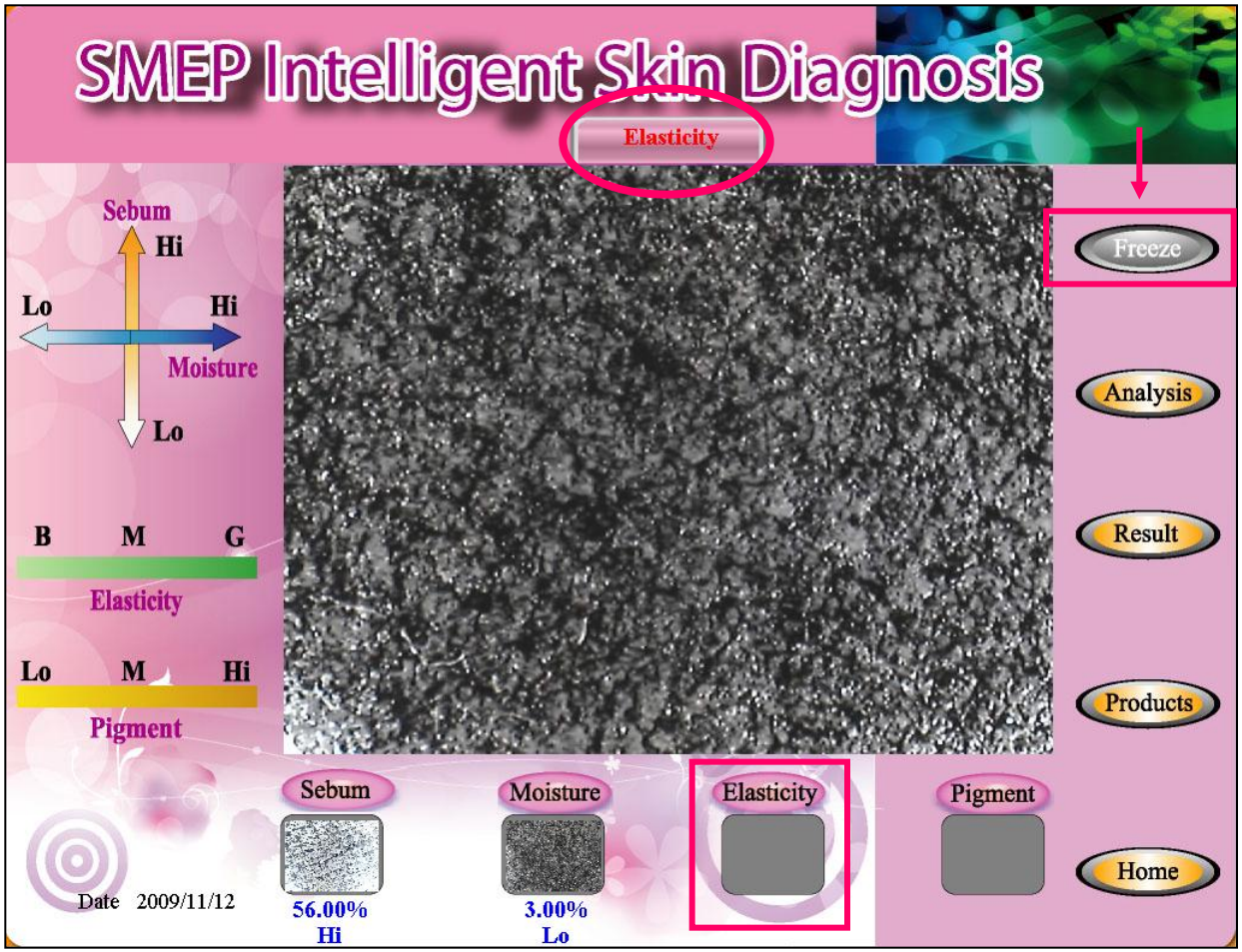


Or click "**Live**" to let image window live.

Moisture test result

1-3 Elasticity Analysis test procedures

(1) "Elasticity" test, after getting the sampled image from elasticity test bar, please click "**Freeze**" (or press "**Frame Freeze**" button) to capture the image.

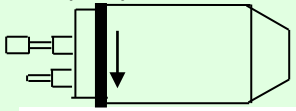


Method to get Elasticity sample

a. Moisture/Elasticity test bar (pink color), change the test paper each time you use it.

b. Touch the paper side to the skin part you want to test. (Suggested test part: **upper of the side neck**, see picture below)

c. Set IBS-50RN lens to the normal (texture) inspection mode



Texture / normal inspection
(Surface inspection)

d. Contact the lens to the paper side & freeze picture (press freeze button).

* If you want to get new sampled image, please click “**Live**” ” (or press “**Frame Freeze**” button on probe).

(2) Click “**Analysis**” (or press “**Frame Freeze**” button on probe) and the system is analyzing now.

(3) Elasticity analysis is completed. You can see Elasticity test result. Click "**Pigment**" to operate pigment test.

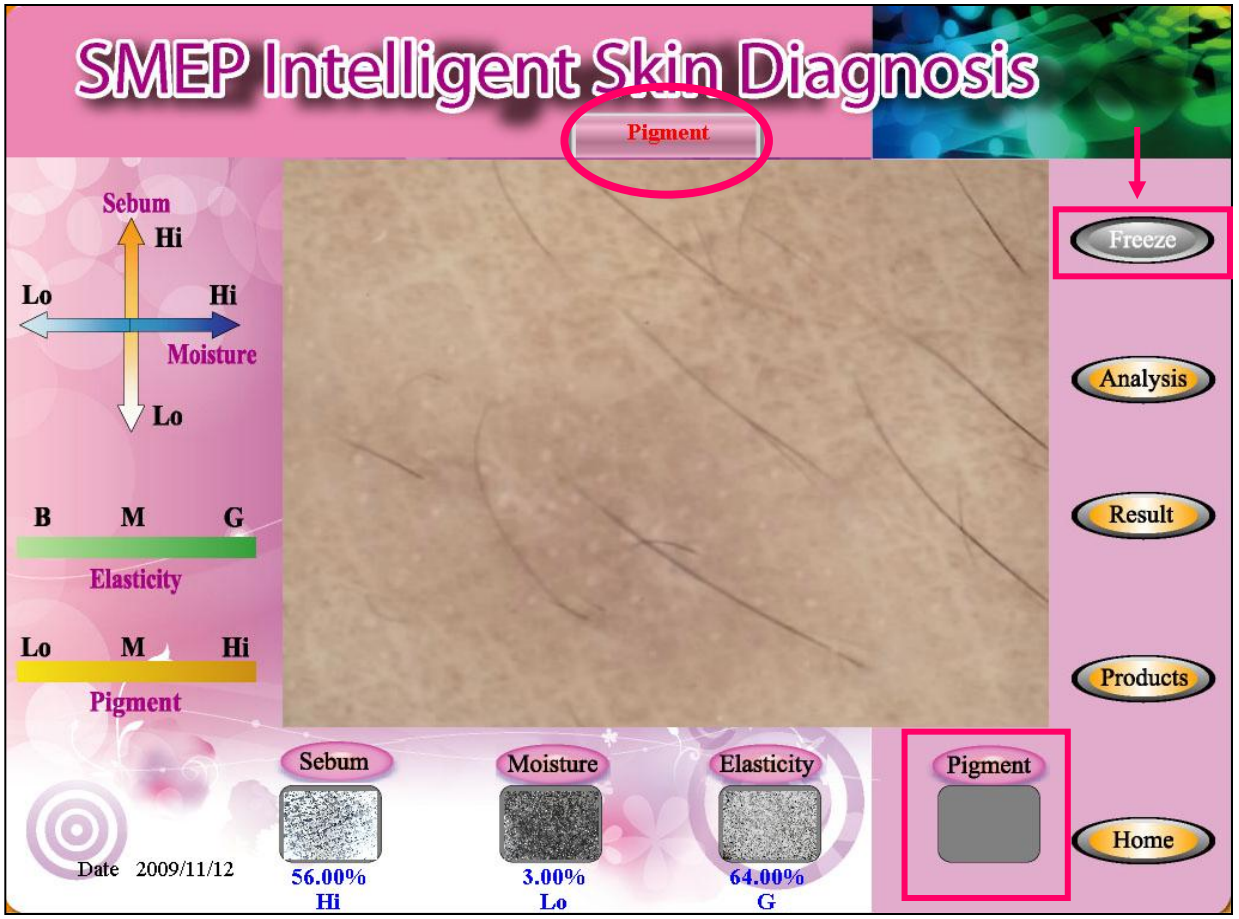
Click "**Pigment**" to let view image window live.

Or click "**Live**" to let image window live.

Elasticity test result

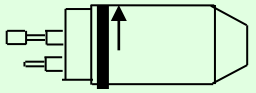
1-4 Pigment Analysis test procedures

(1) "Pigment" test, after getting the sampled image from polarized lens, please click "**Freeze**" (or press "**Frame Freeze**" button on probe) to capture the image.



Method to get Pigment sample

a. Set lens to melanin (polarized) inspection mode. Directly contact the lens to the skin part
(Suggested test part: upper cheek)



Melanin / Polarized inspection
(deeper layer skin inspection)

b. Freeze picture (press "Frame Freeze" button).

* If you want to get new sampled image, please click "**Live**" (or press "**Frame Freeze**" button on probe).

(2) Click "**Analysis**" (or press "**Frame Freeze**" button) and the system is analyzing now.

(3) Pigment analysis is completed. You can see Pigment test result. Now click "**Result**" to get the complete SMEP test result.

Pigment test result

1-5 Test results

Result are shown as the left side of the page.

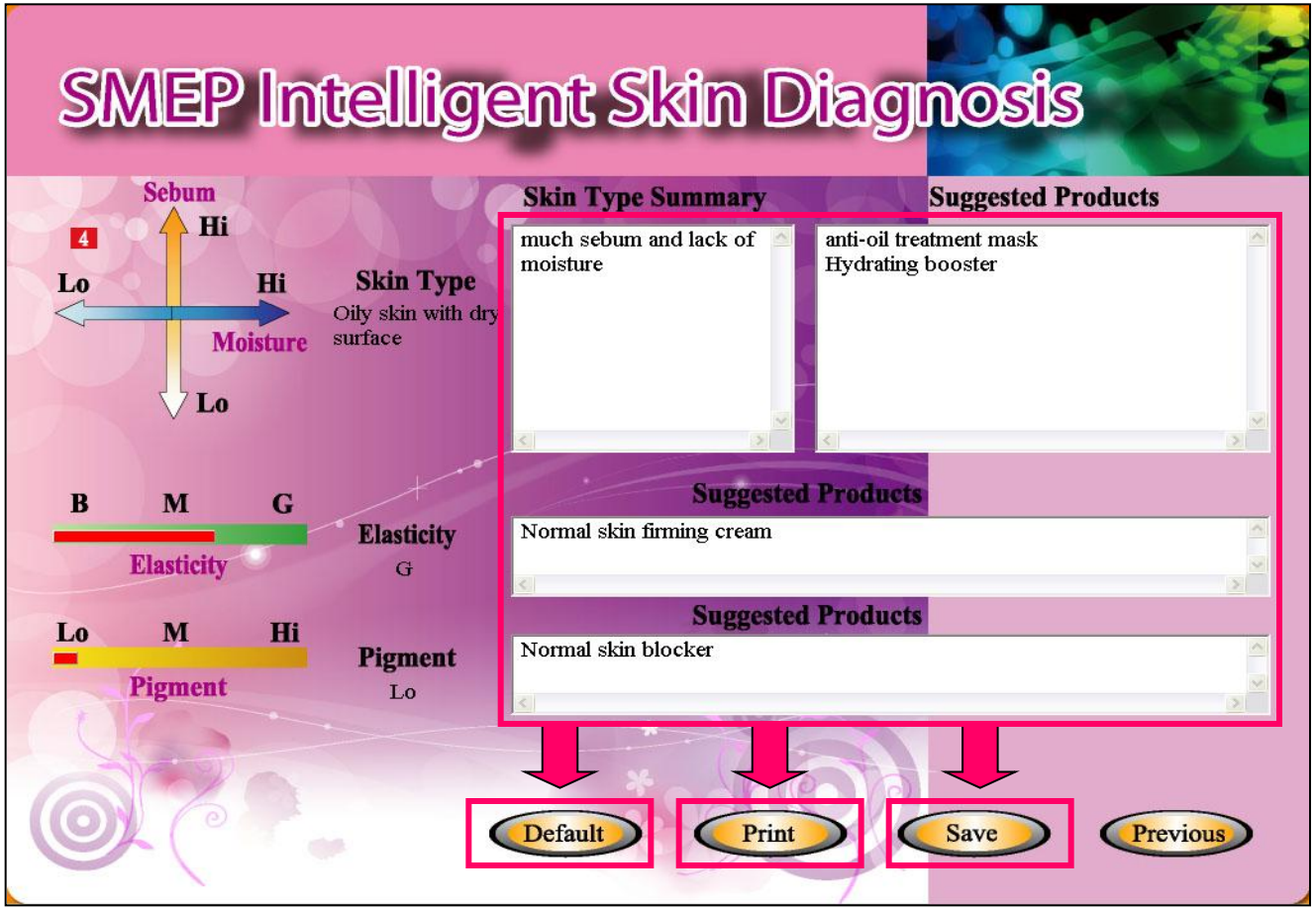
In the blue mark areas, “Elasticity” and “Pigment” test results are appeared in bar charts; “Sebum” and “Moisture” test results are appeared in a certain number in a quadrant area.

Click “**Products**” to set up suggested products.

1-6. Suggested Products

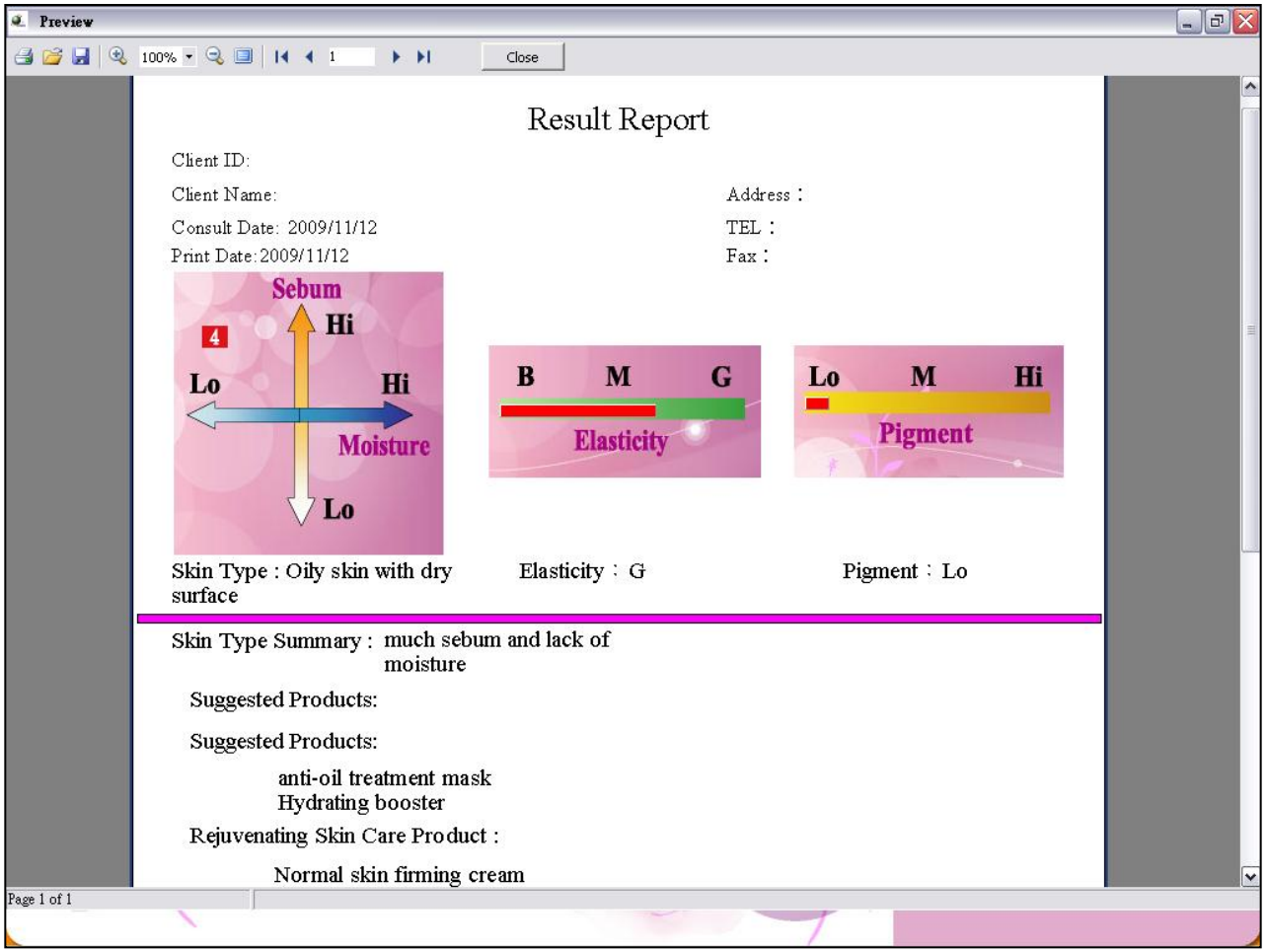
If you have already set up your suggested products database, the suggested products will be shown in the marked area. You can add more comments in the marked area.

* If you want to change back to its original default, please click "**Default**"; if you only want to print the test result & suggested products, click "**Print**" to print them out. If you want to save this record, click "**Save**" icon. (Ref: Page 24-32)



(A) Print

If you only want to print the test result and suggested products (not save as return client), then just click "**Print**" based on page 24, print out result report together with the suggested products as shown below.

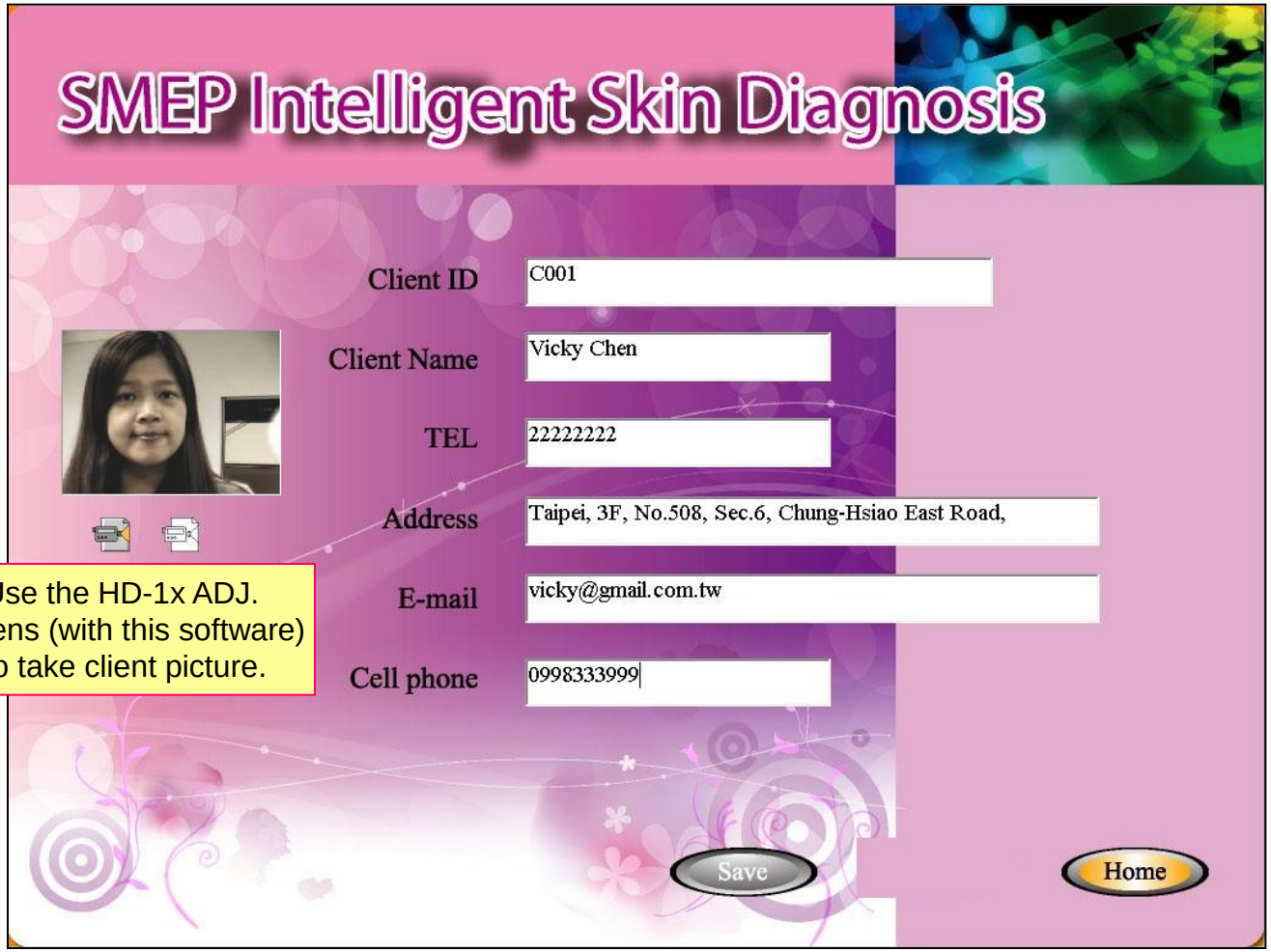


(B) Save

If you want to save this test data, click “**Save**” based on page 24, you can save as “New Client” or as “Old Client”.

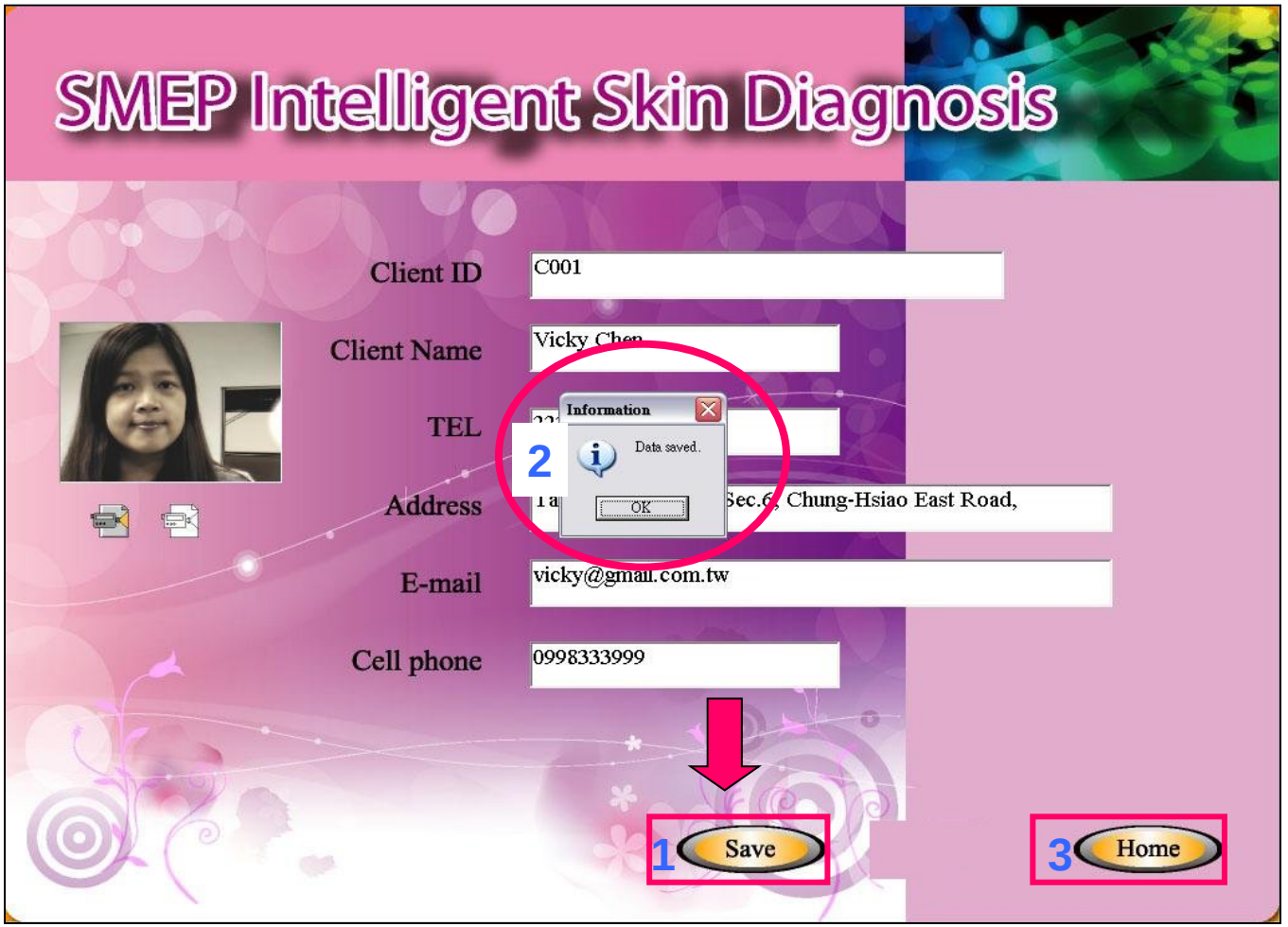
(B-1) Save as "**New Client**"

If you click "**New Client**" (based on the page 26)", you can take a picture of the client and key in personal data.



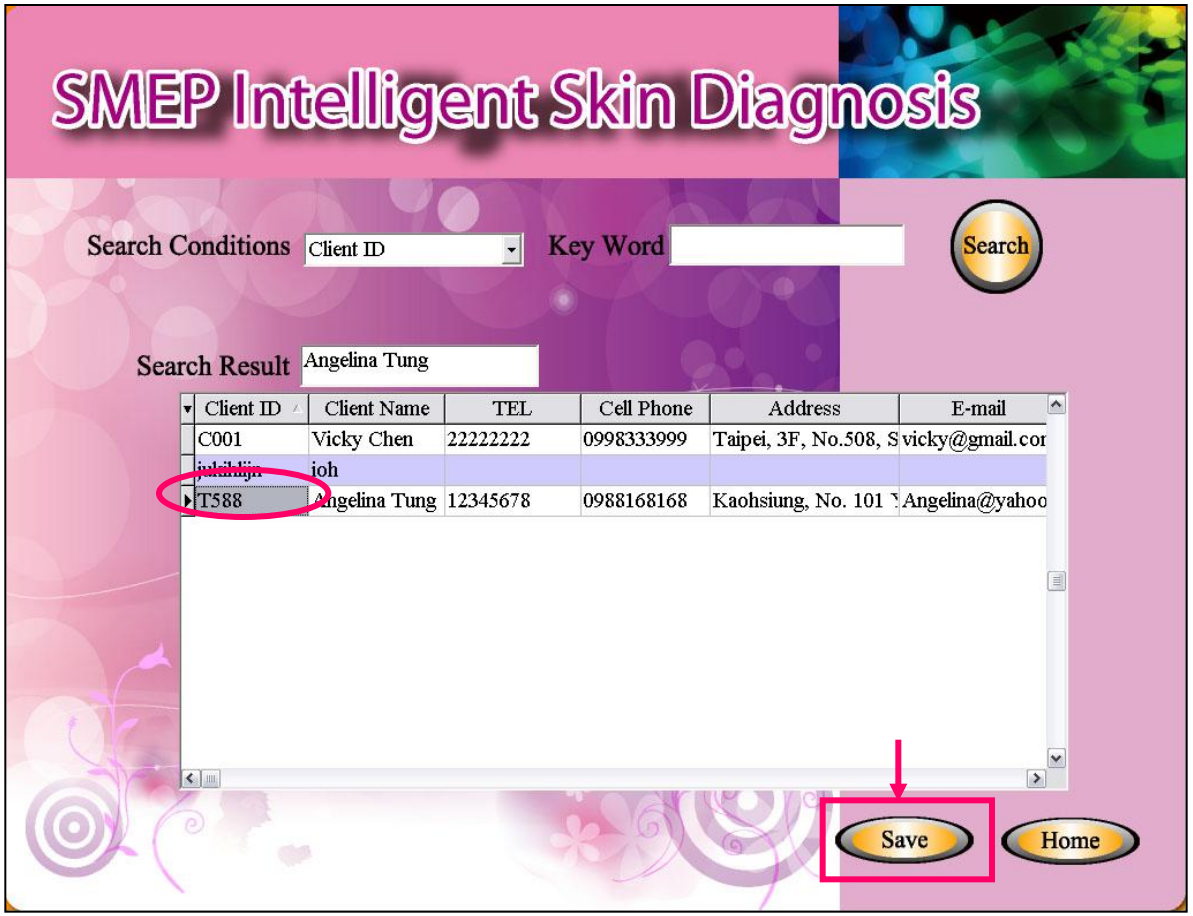
Use the HD-1x ADJ. lens (with this software) to take client picture.

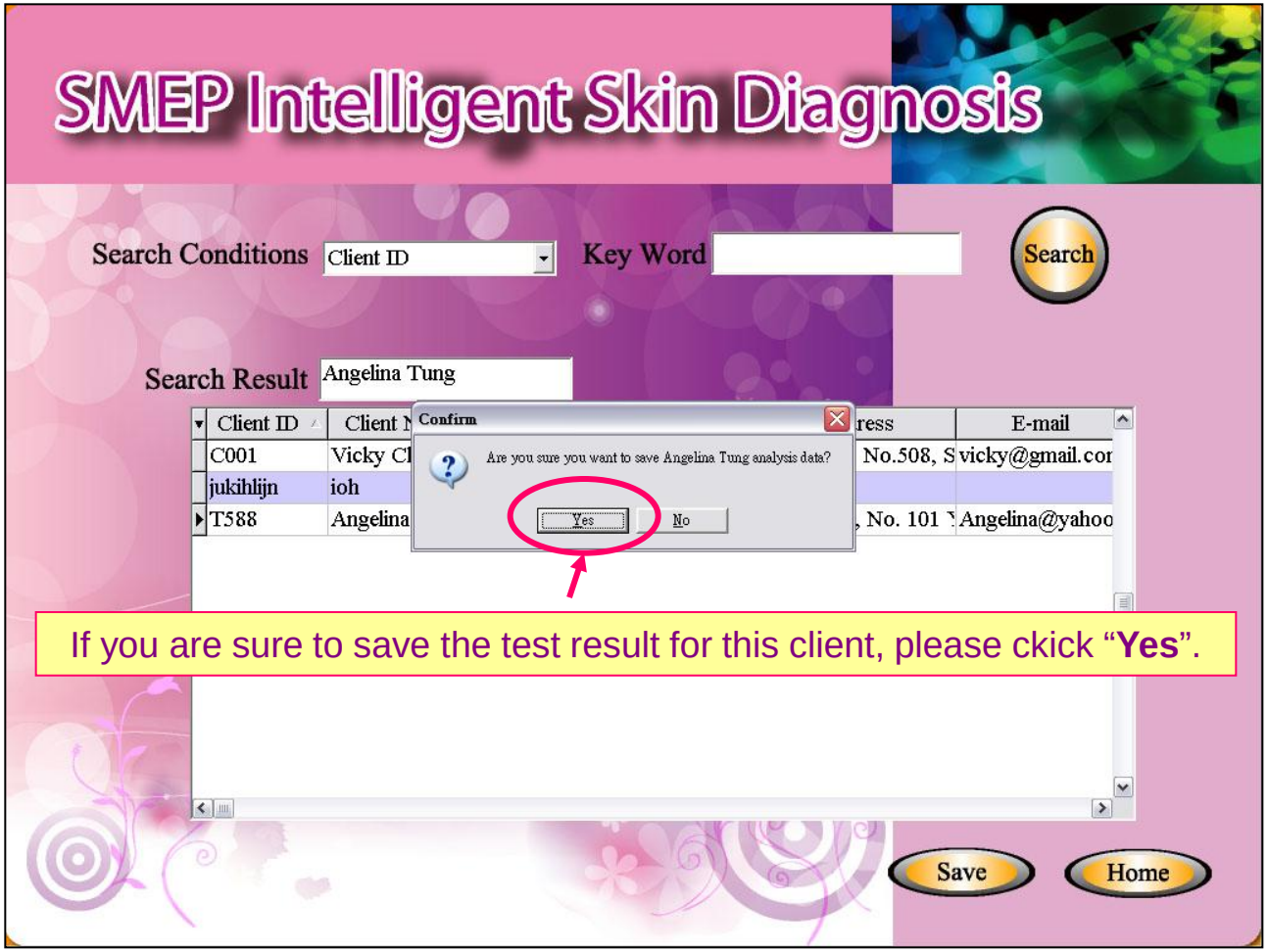
Click “**Save**” icon, personal data saved. Now click “**OK**” and then click “**Home**” to the home page.



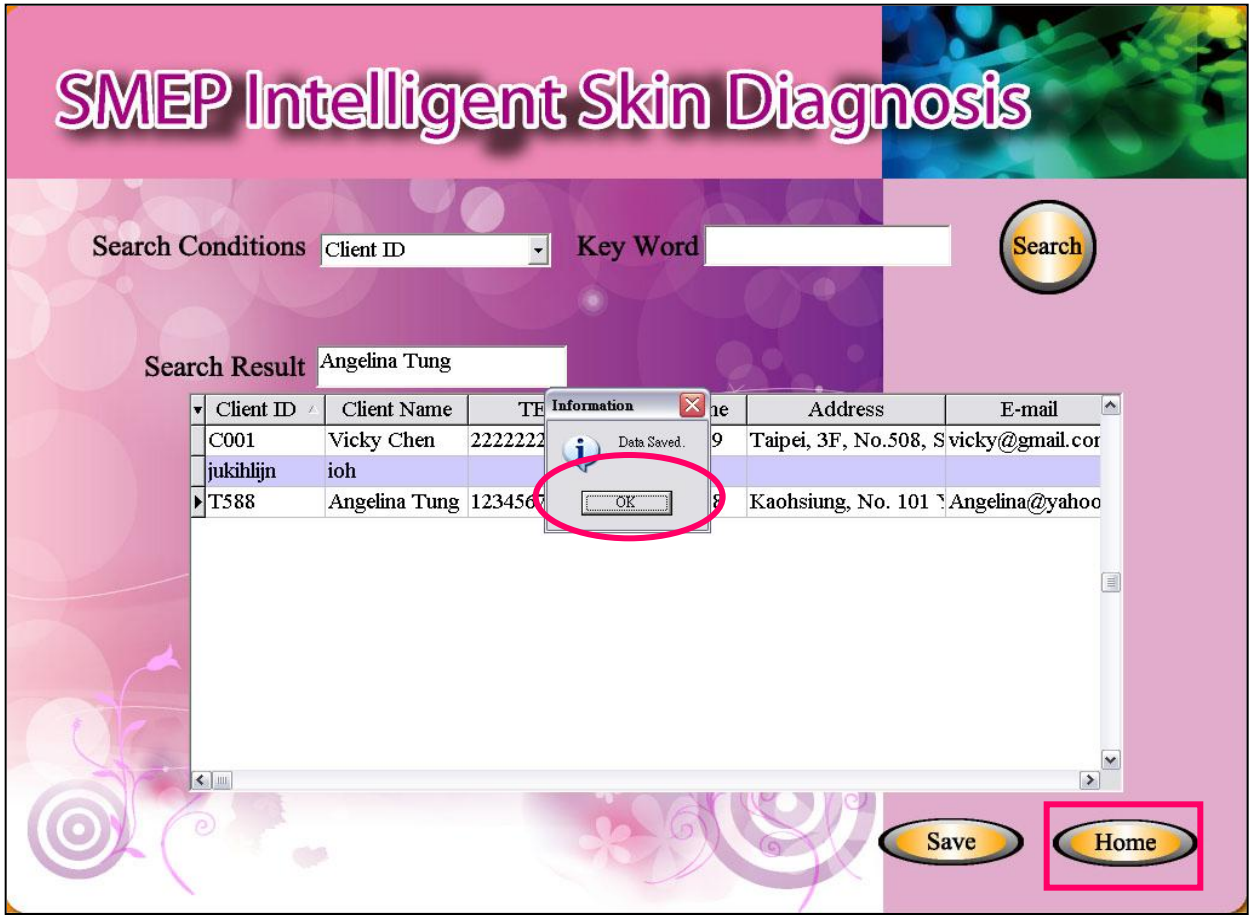
(B-2) Save as “**Old Client**”

If you click “**Old Client**” (based on the page 26)”, please select the right client you want to save the new test result in and then click “**Save**”.



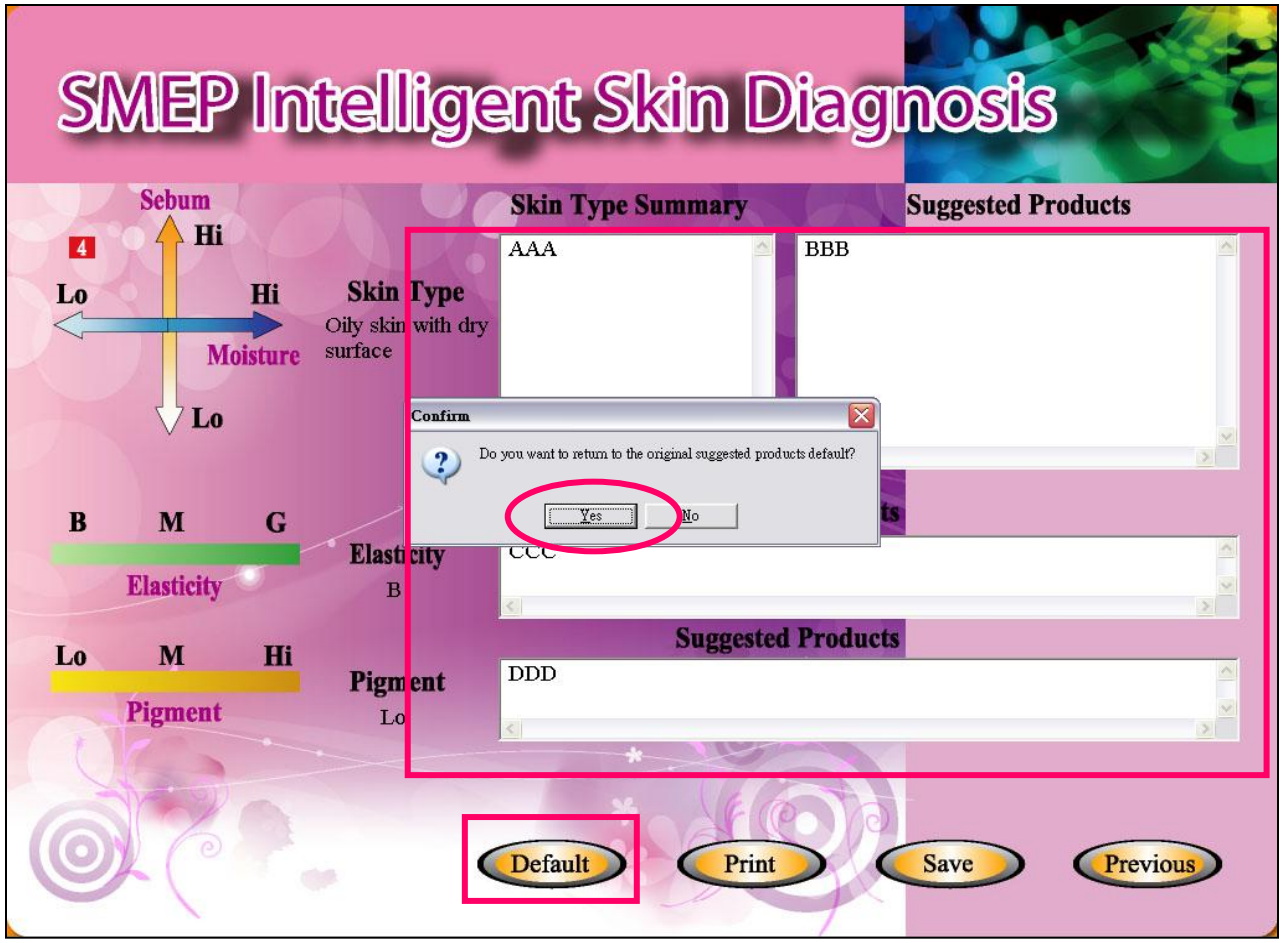

SMEP Intelligent Skin Diagnosis
Search Conditions
Client ID
Key Word
Search
Search Result
Angelina Tung
Client ID
Client N
ress
E-mail
C001
Vicky Cl
No.508, S
vicky@gmail.cor
jukihlijn
ioh
T588
Angelina
No. 101 Y
Angelina@yahoo
Confirm
Are you sure you want to save Angelina Tung analysis data?
Yes
No
If you are sure to save the test result for this client, please ckick “Yes”.
Save
Home

Data saved. Click "**OK**" then "**Home**" to the home page.

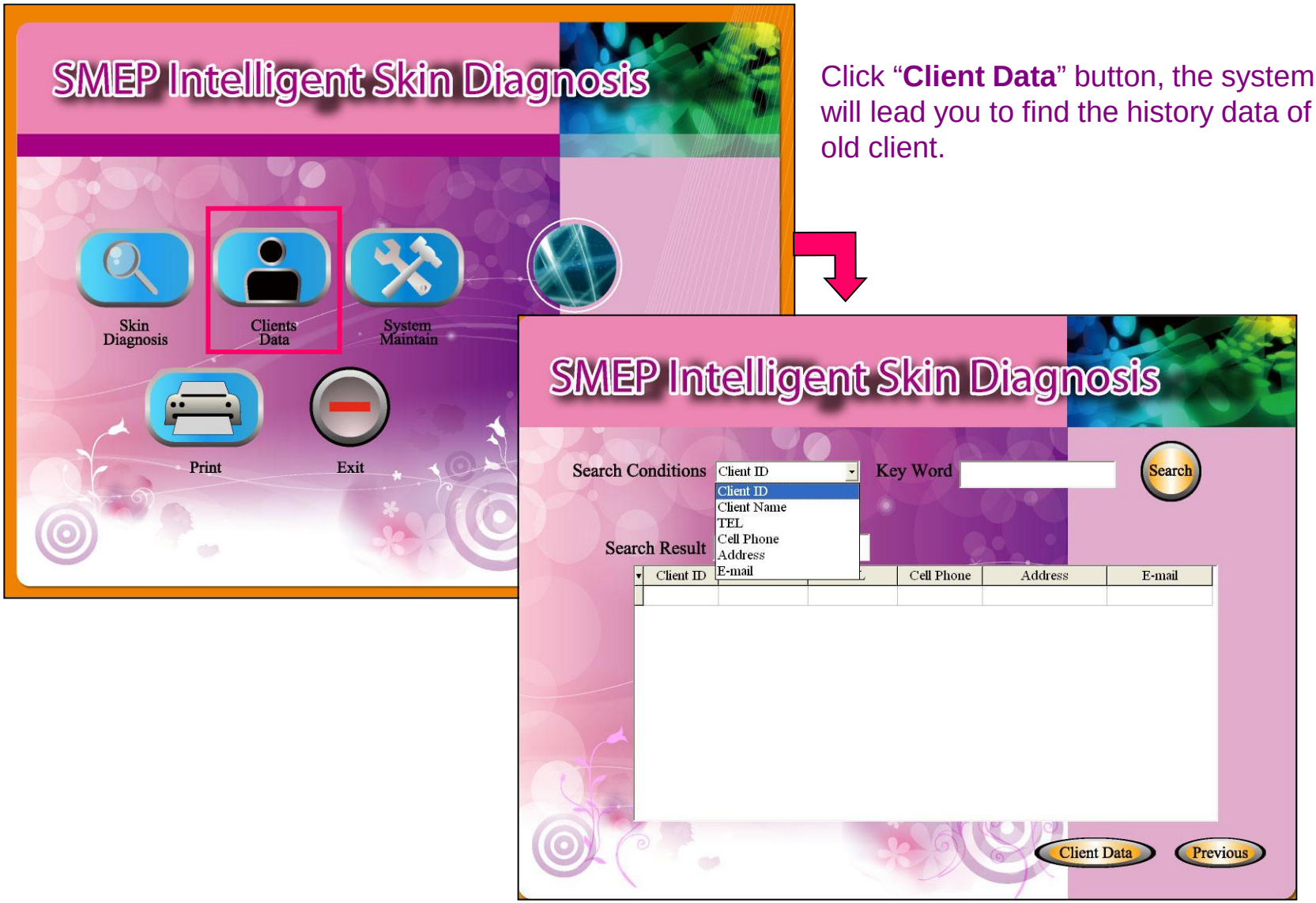


(C) Default

When you click **“Default**” based on page 24, you can return the comments in marked areas to the original suggested products default. Click “**Yes**” to return the original database.



2. CLIENTS DATA



Click "**Client Data**" button, the system will lead you to find the history data of old client.

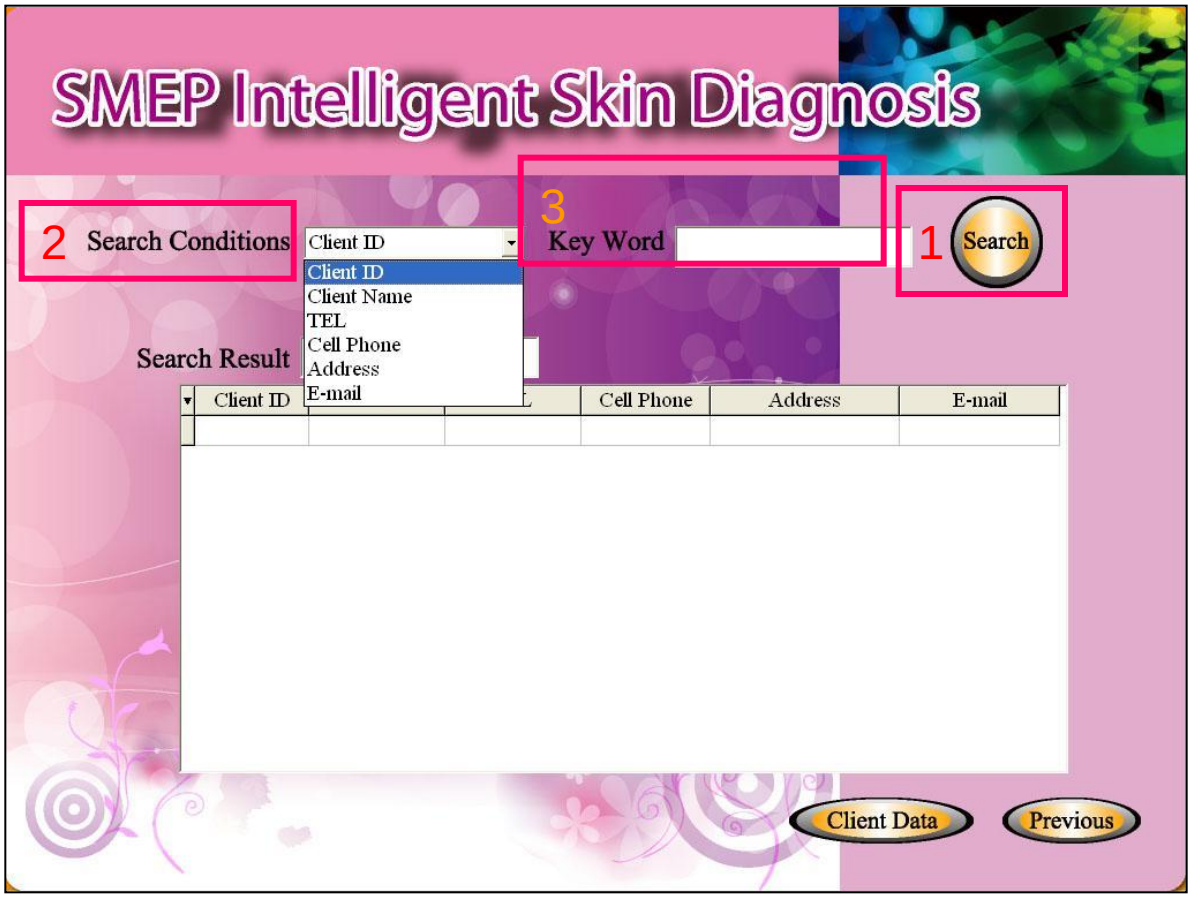
2-1 Search Clients

There are 3 methods to search clients:

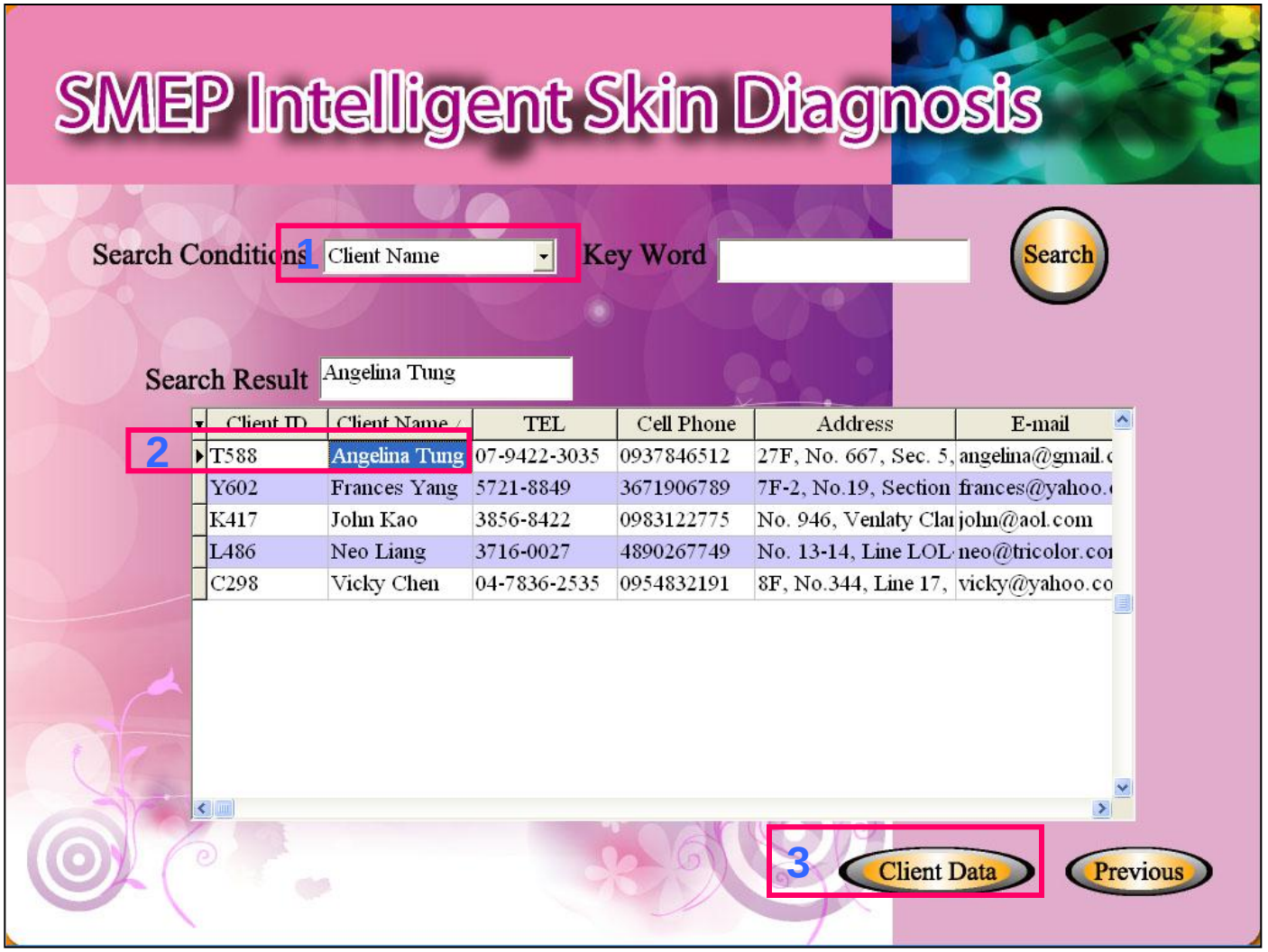
(1) Directly click "**Search**" to find all clients.

(2) Select "**Search Conditions**" and then click "**Search**".

(3) Key in **"Key Word**" and then click "**Search**".



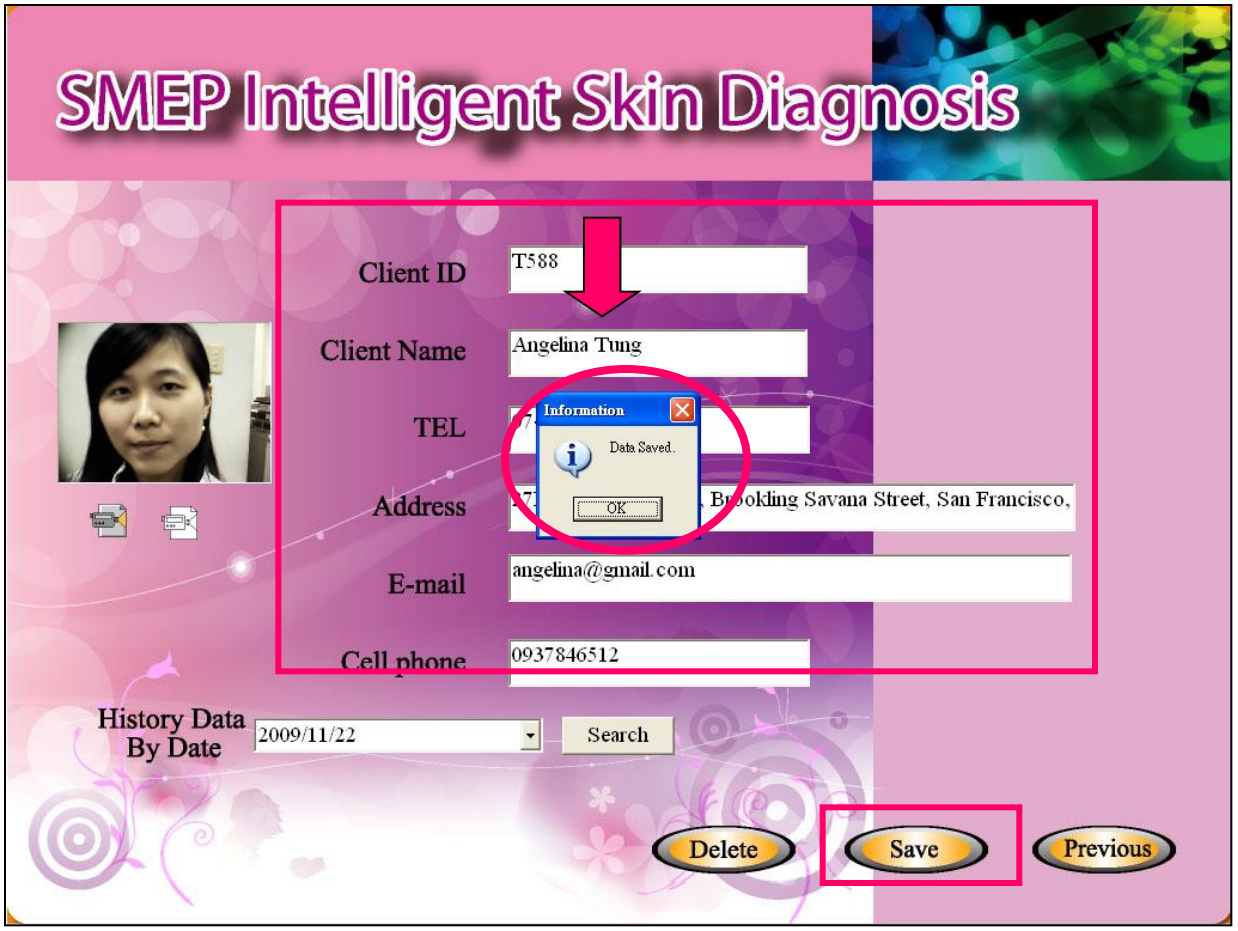
Search Conditions by “**Client Name**”, select client ex. Angelina Tung, “Search Result” as targeted “Angelina Tung”. Click “**Client Data**” for the client’s history.



2-2 Clients Personal Data

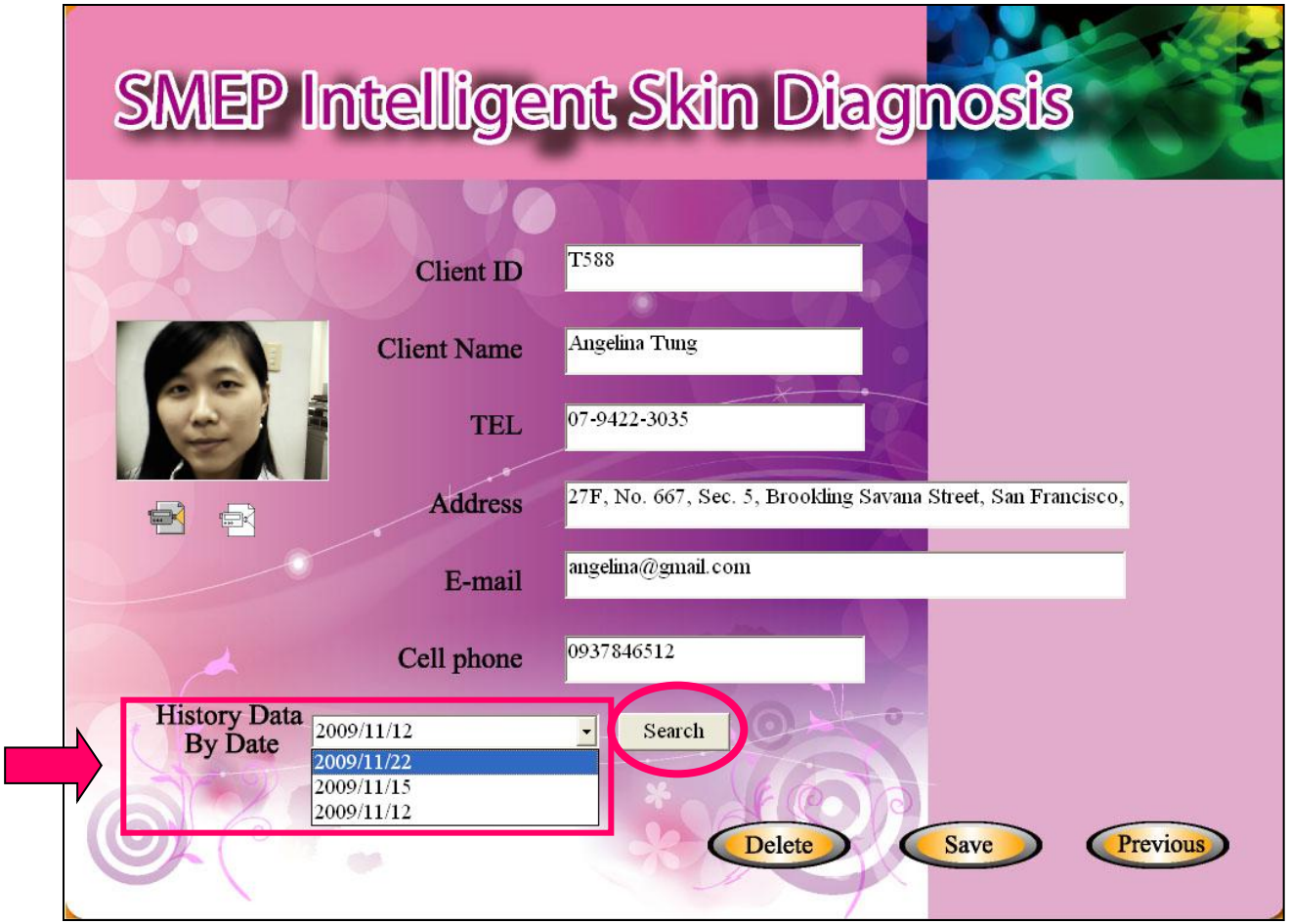
(A) Personal Data Revise

Every client personal data can be revised as needed, remember to click “**Save**” icon to storage it after revised.



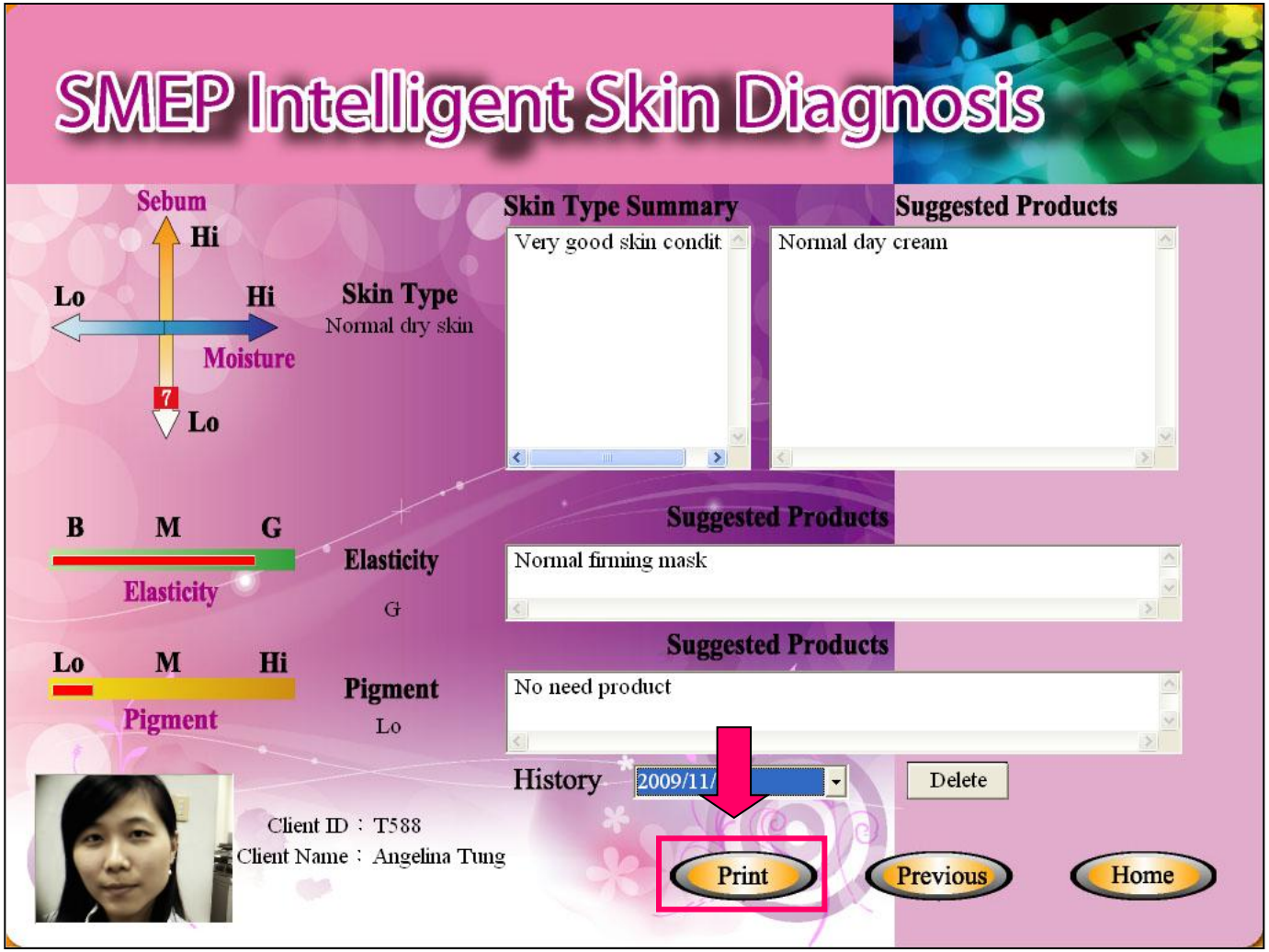
(B) History Data Search

Select at first the exact date of history data which you want to study. After selecting it, click "**Search**", searching process starts.

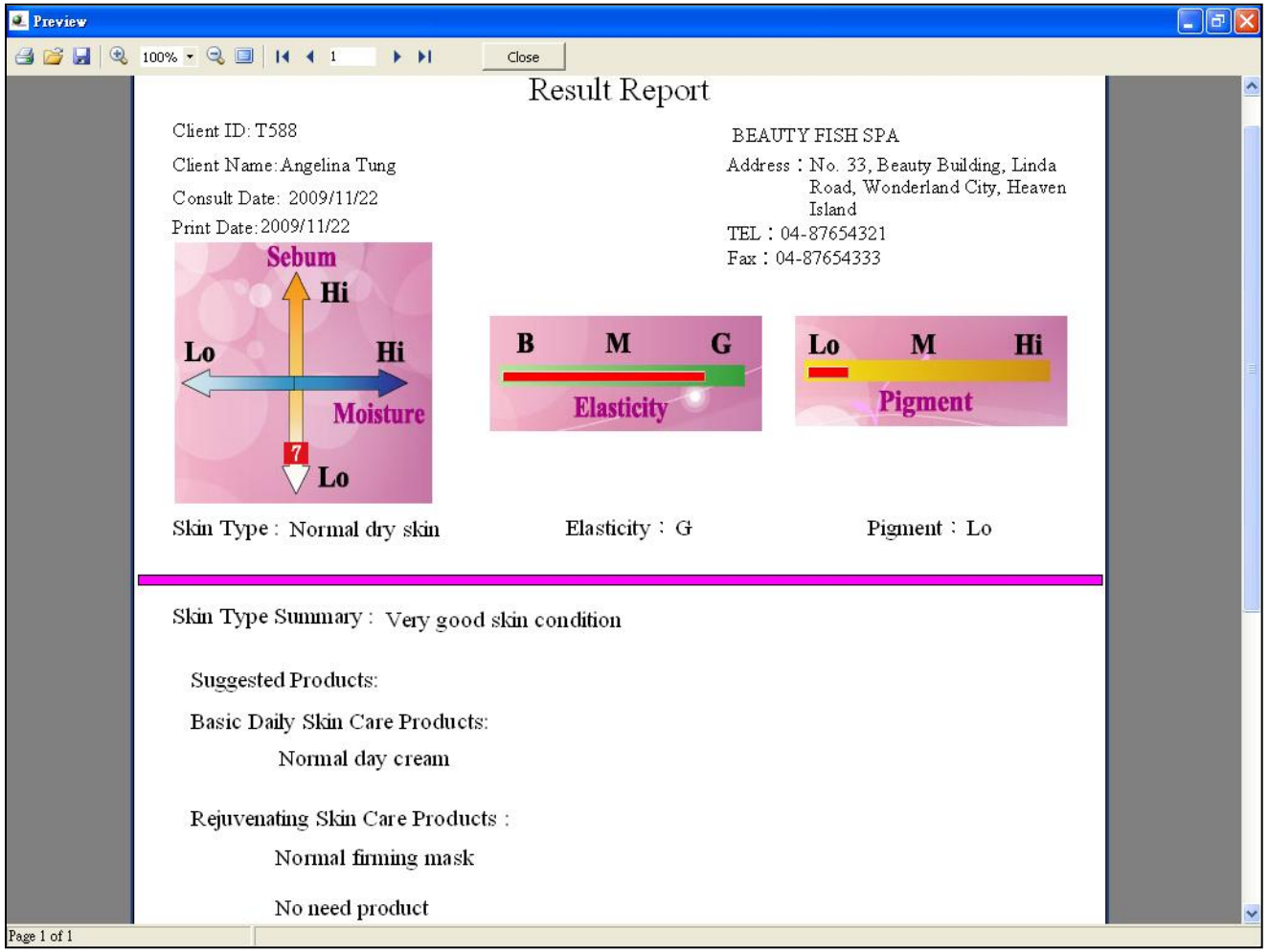


(B-1) Printing out the analysis history result report

Click “**Print**” icon to entry the print form.

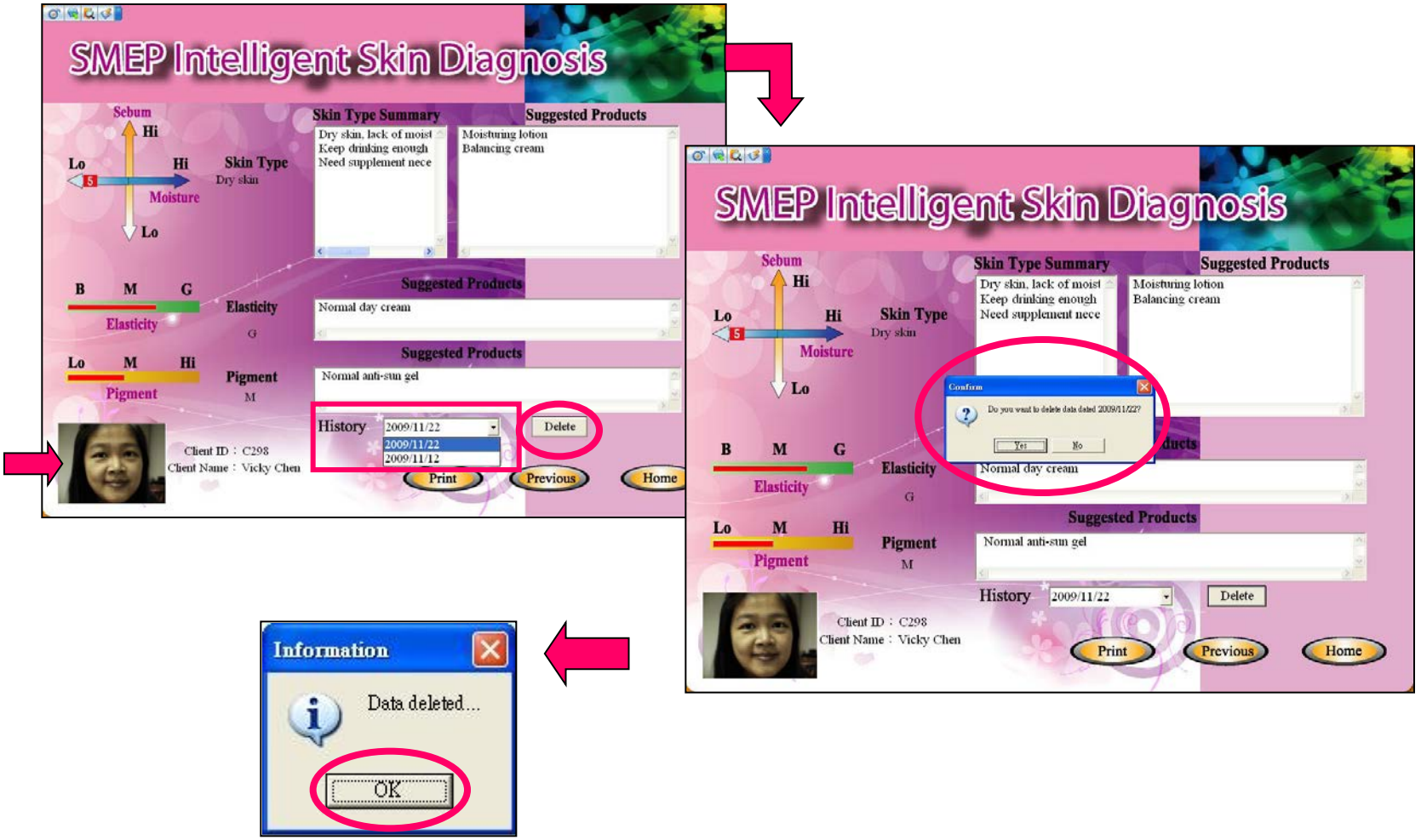


Print out analysis history result report form as shown below.



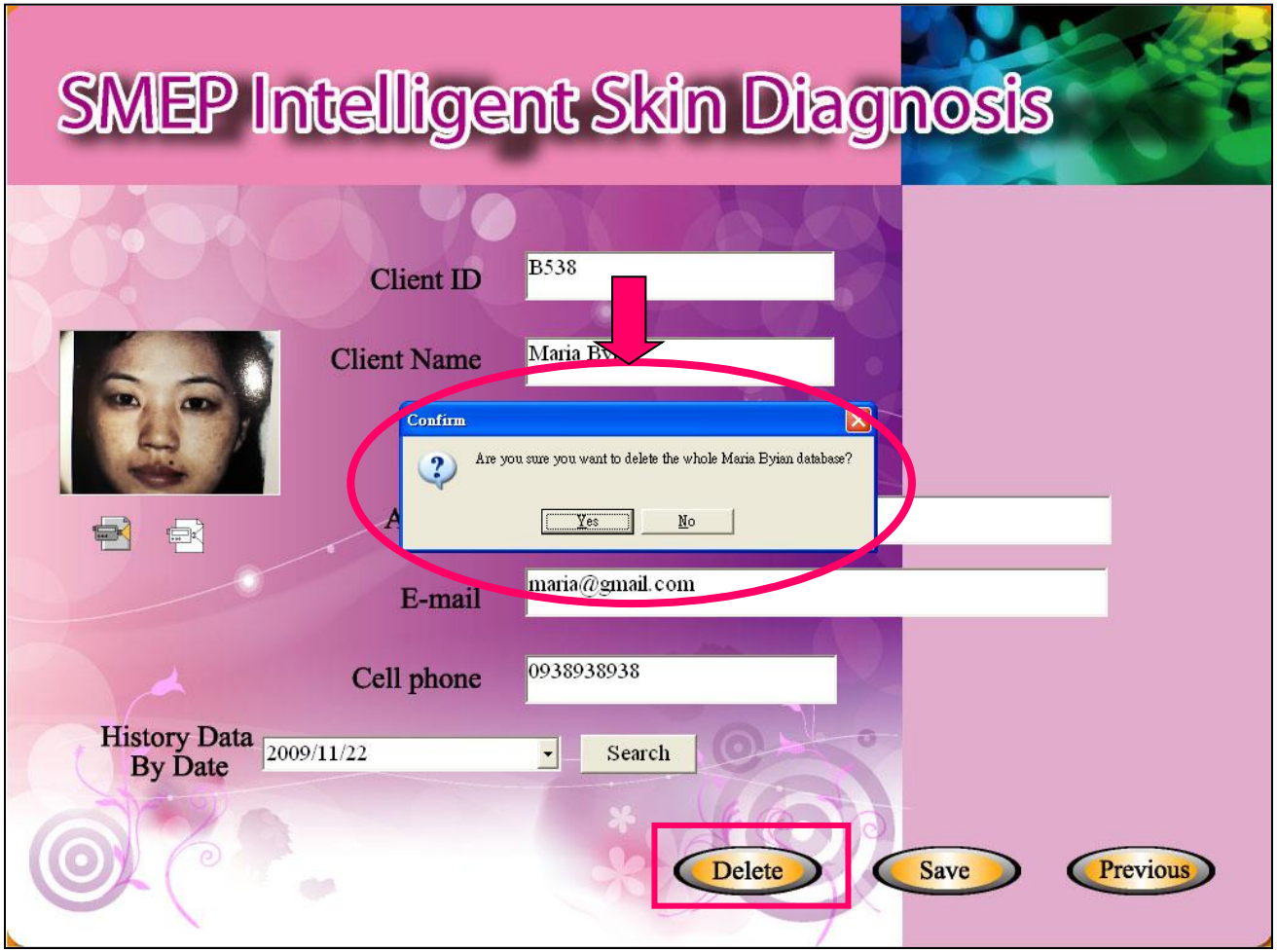
(B-2) Delete analysis history by date

History Data Search, select at first the exact date of history data which you want to delete. After selecting it, click “**Delete**”, deleting process starts.



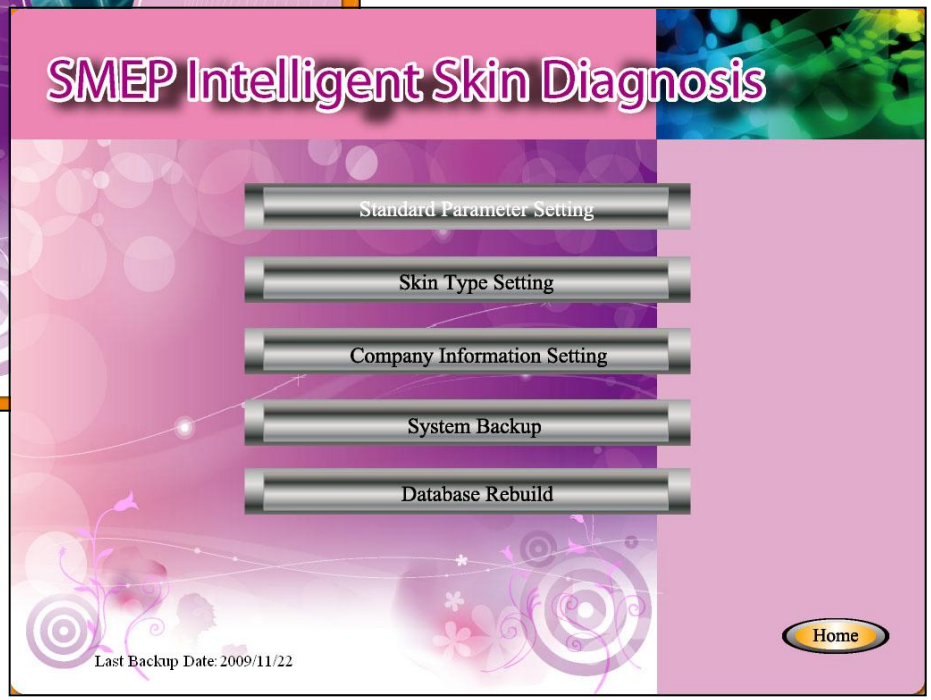
2-3 Delete Client

Delete the whole client analysis history. **Select at first the exact client which you want to delete**. After selecting it, click "**Delete**", deleting process starts.

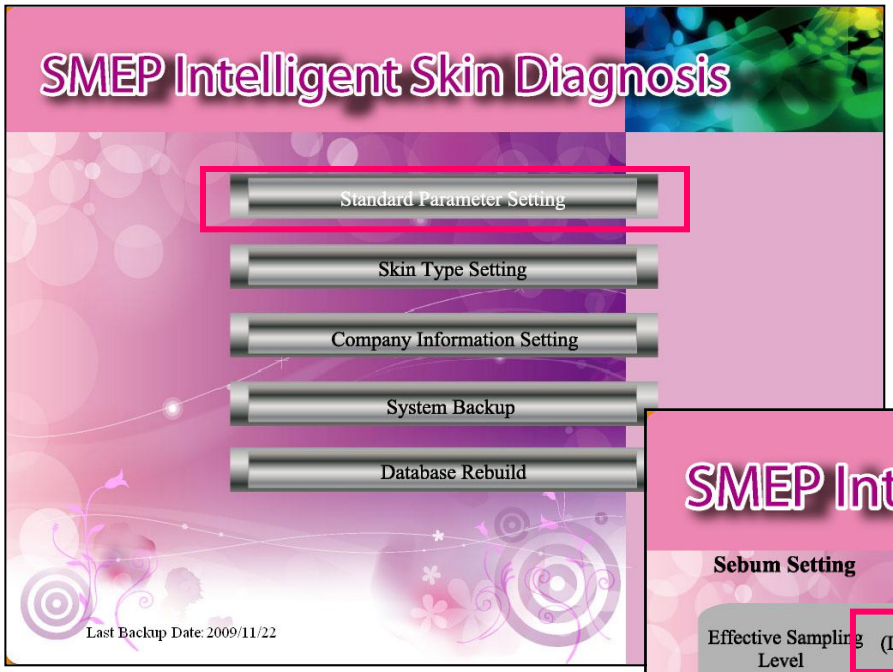


3. SYSTEM MAINTAIN

Click **"System Maintain"** you can set up some basic database.

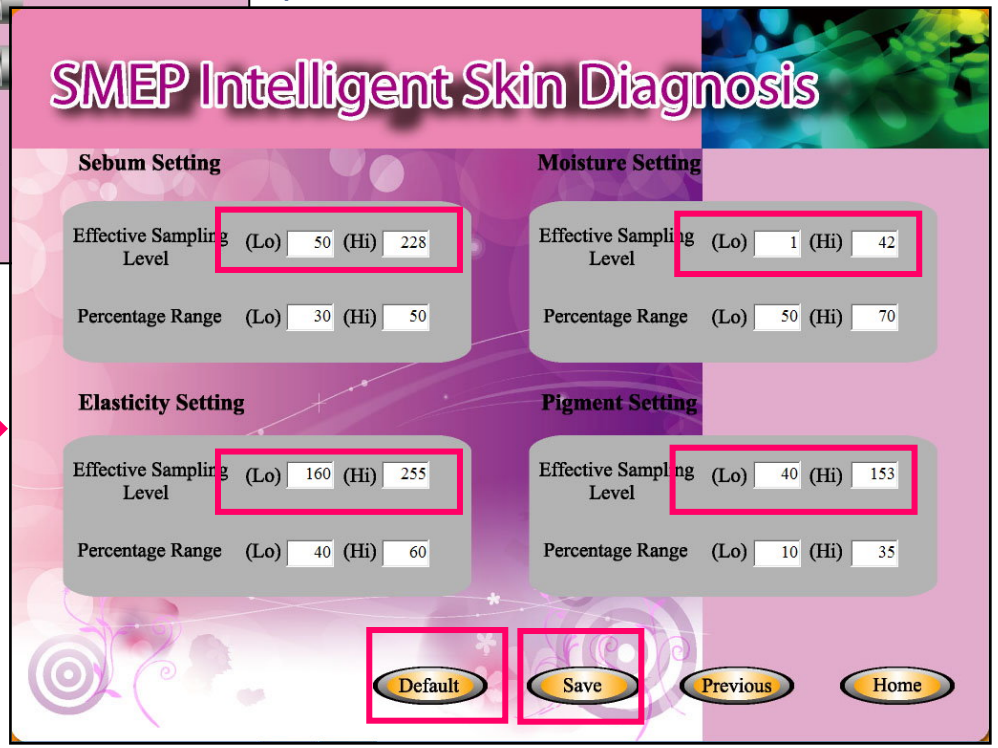


3-1 Standard Parameter Setting



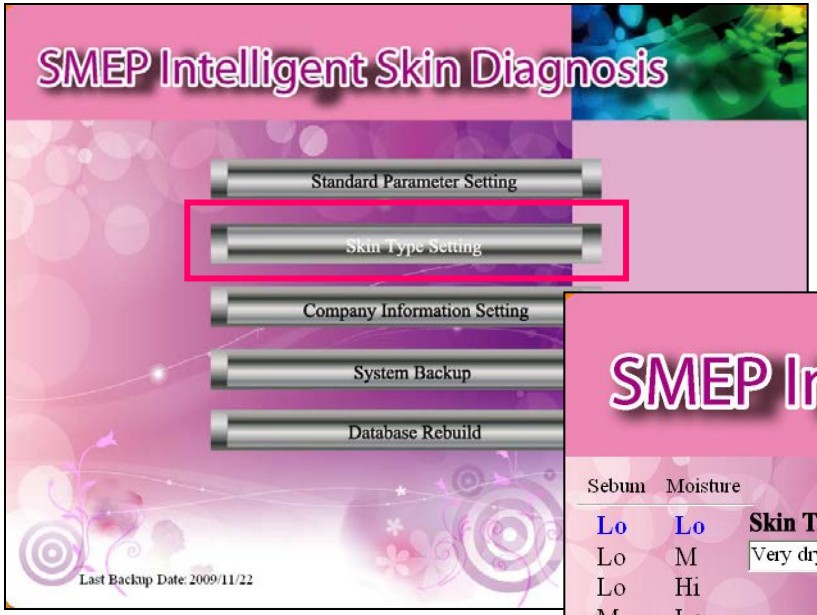
As per we state in page 5, each main unit has been setting its individual values. **When you enter "HD-SMEP+CMS" at the first time**, please make correction in advance.

Afterwards, if you think necessary, you can adjust the setting or you can set the values to its default data. Click "**Standard Parameter Setting**" to the page, after the new setting or default setting, please remember to click "**Save**".

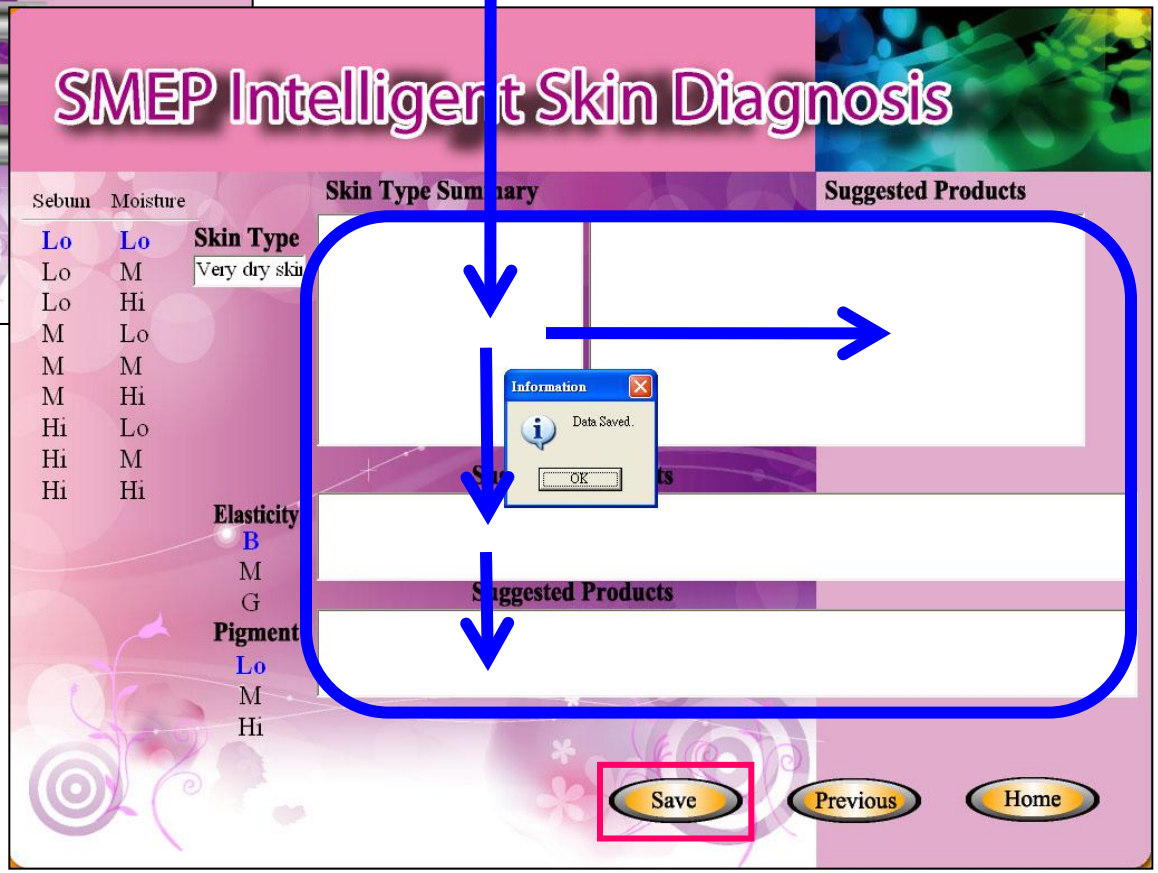

SMEP Intelligent Skin Diagnosis
Sebum Setting
Effective Sampling Level (Lo) 50 (Hi) 228
Percentage Range (Lo) 30 (Hi) 50
Moisture Setting
Effective Sampling Level (Lo) 1 (Hi) 42
Percentage Range (Lo) 50 (Hi) 70
Elasticity Setting
Effective Sampling Level (Lo) 160 (Hi) 255
Percentage Range (Lo) 40 (Hi) 60
Pigment Setting
Effective Sampling Level (Lo) 40 (Hi) 153
Percentage Range (Lo) 10 (Hi) 35
Default
Save
Previous
Home

* The original values in this page is our public default values. You can recover them to the default values or set the proper values you need.

3-2 Skin Type Setting

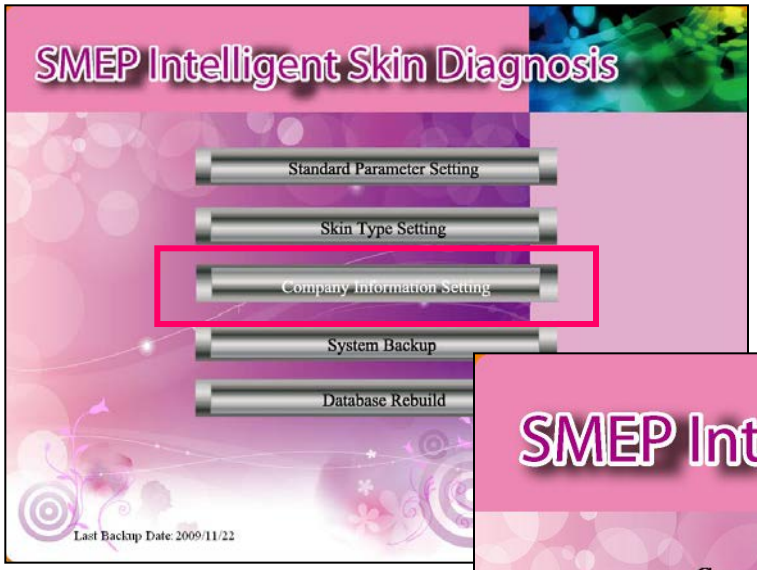


If you click "**Skin Type Setting**", you shall input your own summary and suggested products for each test result type. After the data input, click "**Save**" to complete your own data setup.

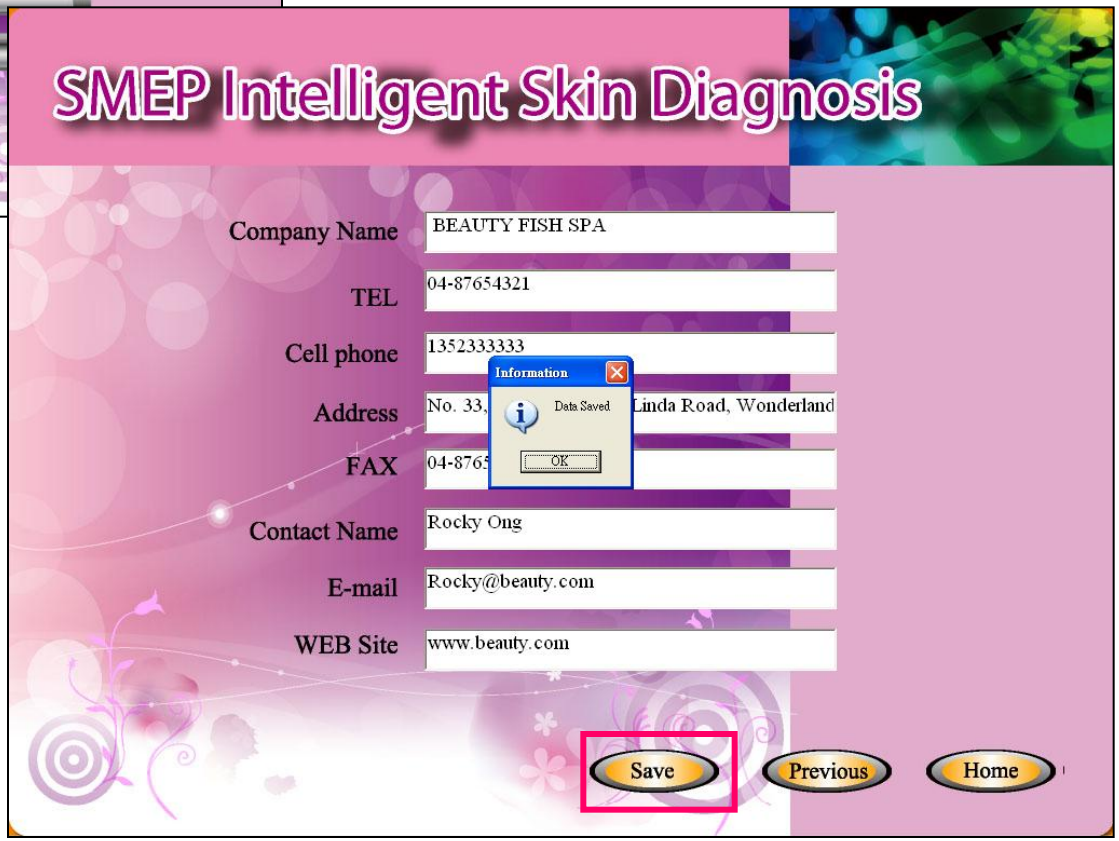


• **Sebum & Moisture test results** from Lo – Lo, Lo - M, Lo – Hi, M – Lo, M – M, M – Hi, Hi – Lo, Hi – M, Hi – Hi for setting; **Elasticity results** from B(bad), M(medium), G(good) for setting; **Pigment results** from Lo(low), M(medium), Hi(high) for setting.

3-3 Company Information Setting



If you click "**Company Information Setting**", you can input the software user's data as below and then click "**Save**".

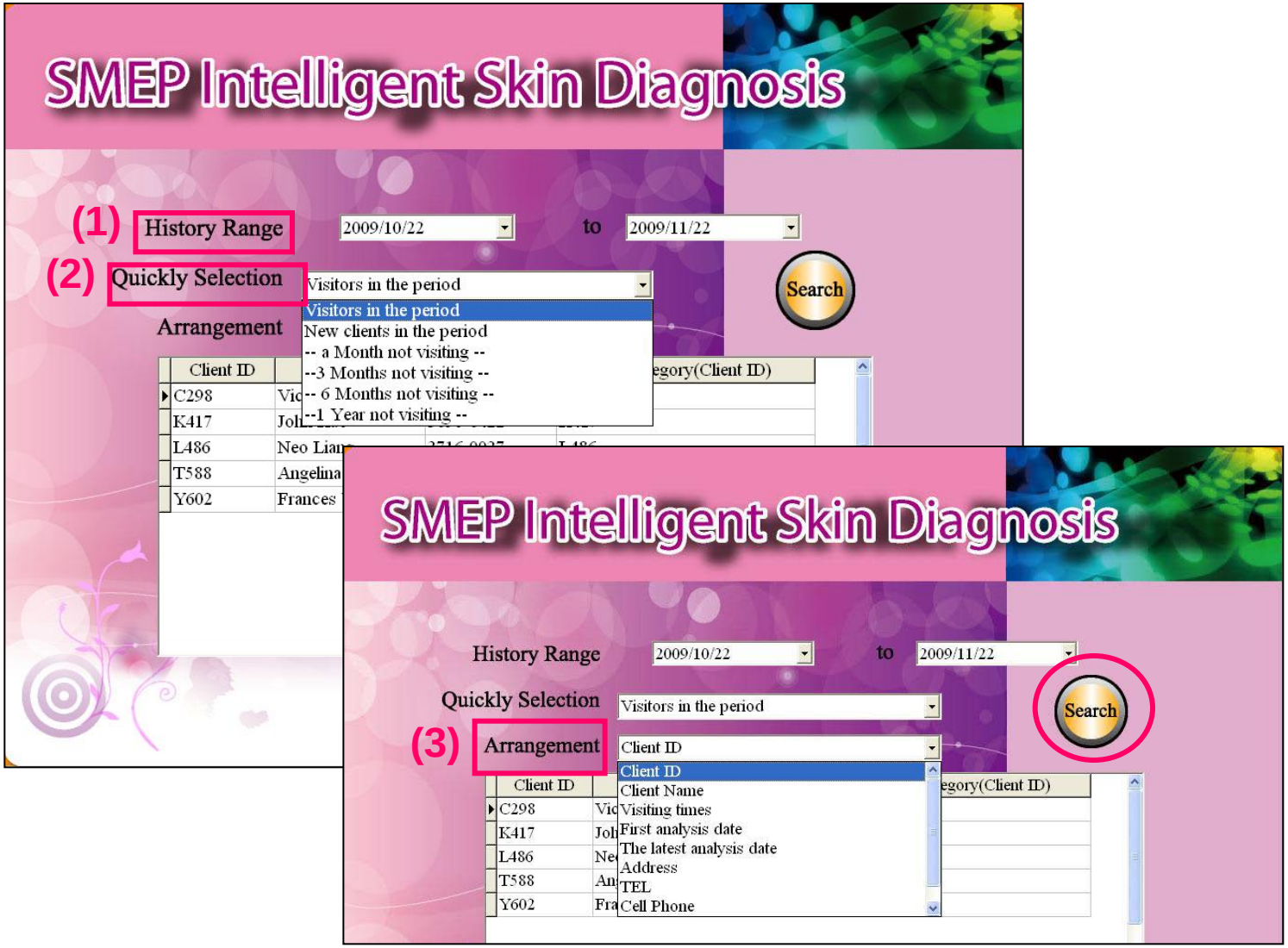


4. PRINT

* Click "**Print**" to get the client data in ***label form*** or the client data in an ***ordered / statistics list form***.

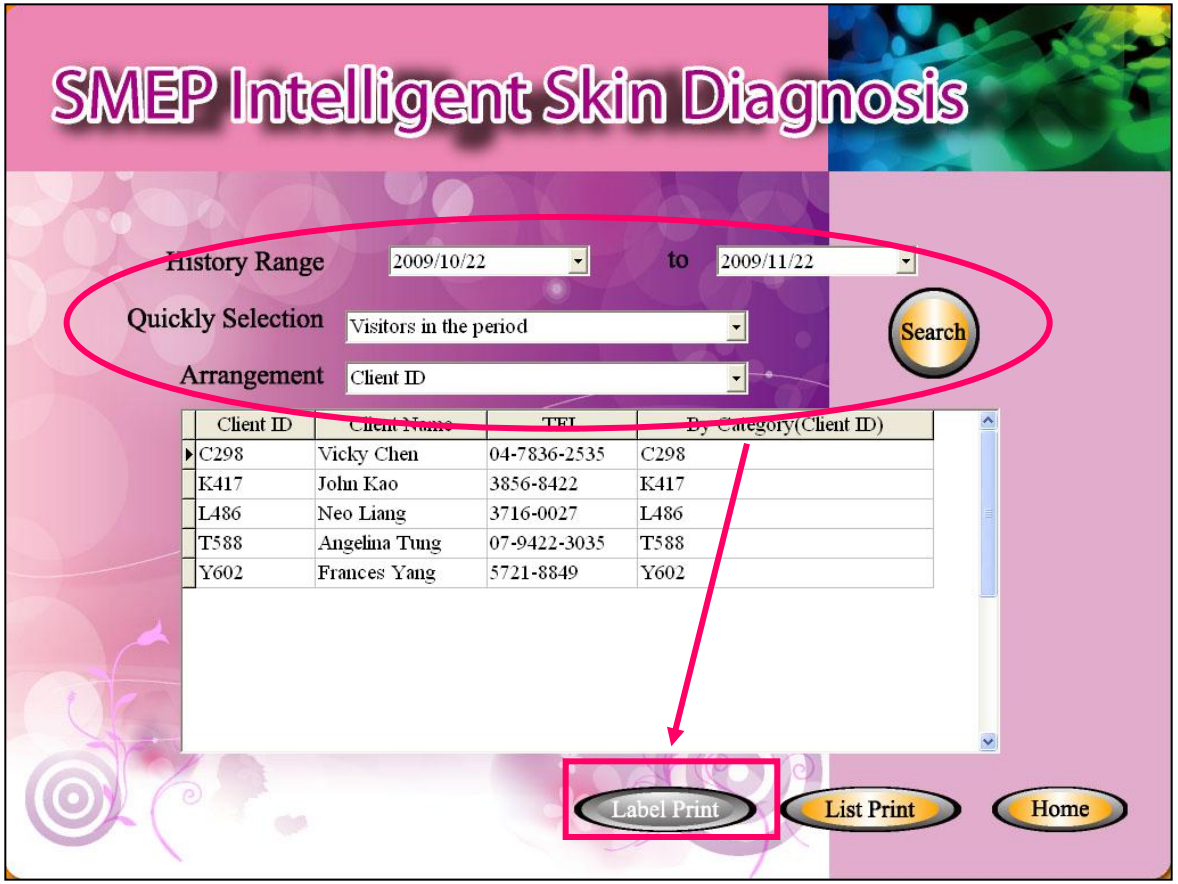
Printing Conditions Setting

You should select the following 3 conditions and then click “Search”.



(A) Label Print

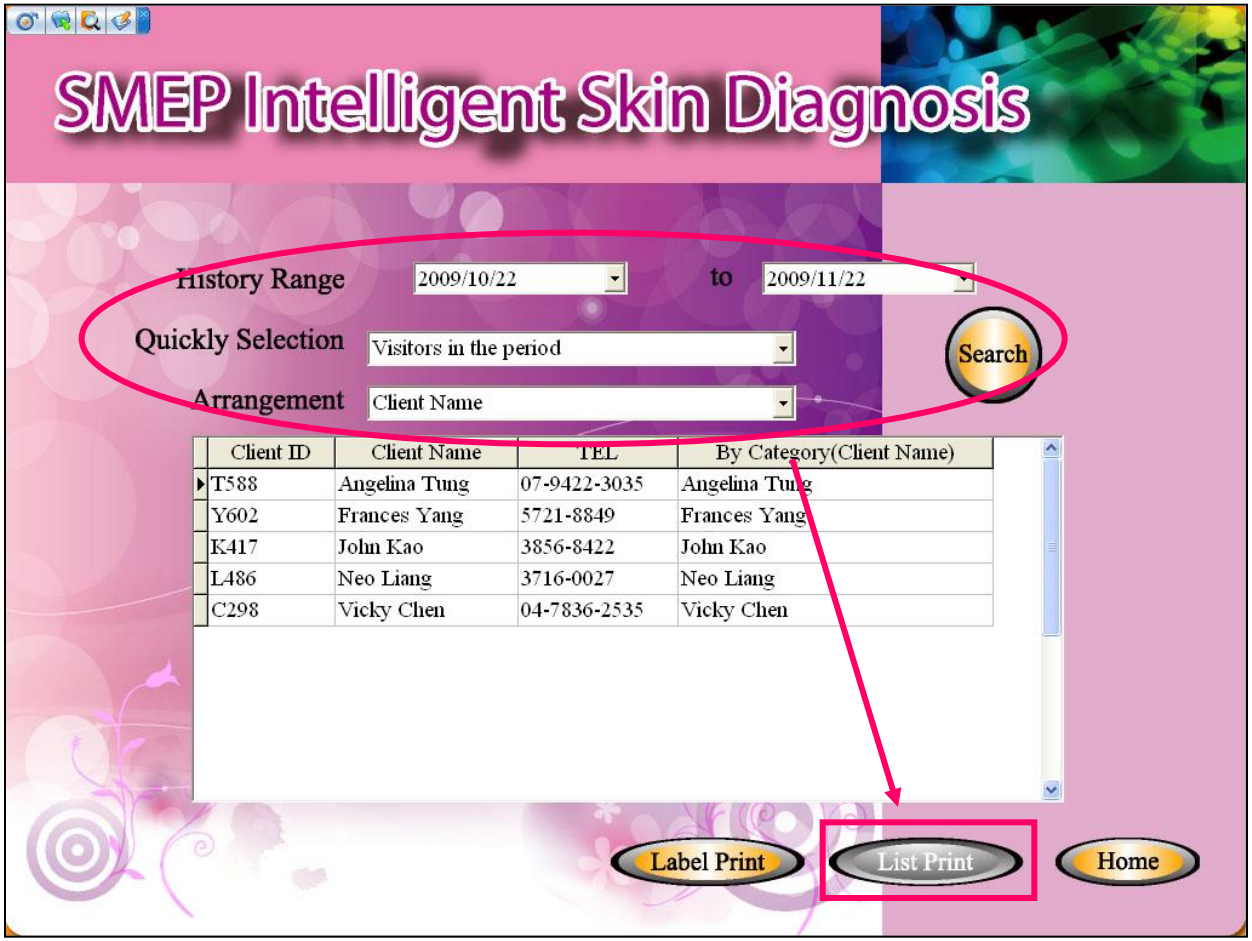
After 3 conditions setting and click “**Search**”, click “**Label Print**” to get the label print form.



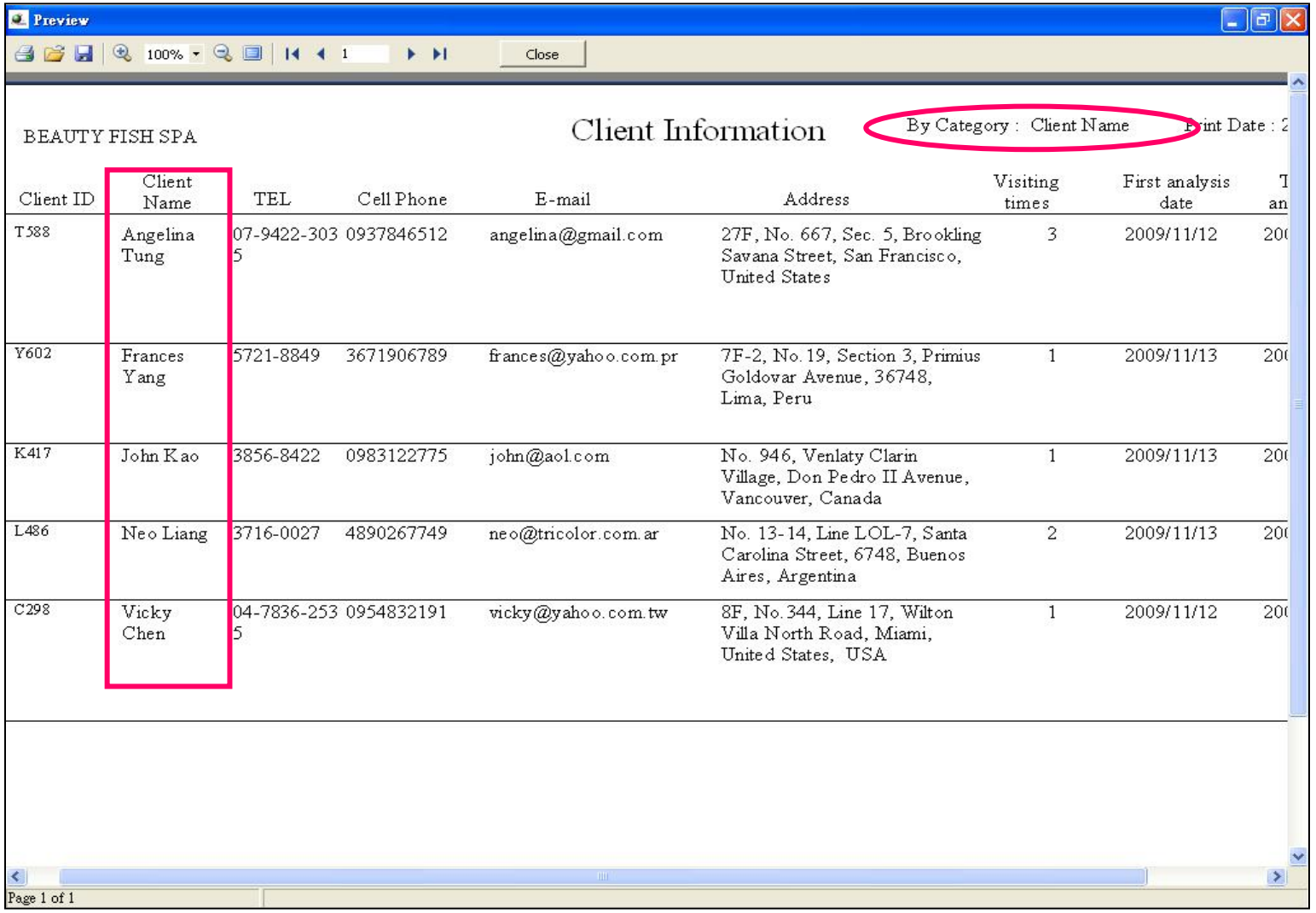
This is “Label Print” paper. For example you can use the printed label for DM mailing purpose.

(B) List Print

After 3 conditions setting and click “**Search**”, click “**List Print**” to get the list print form.

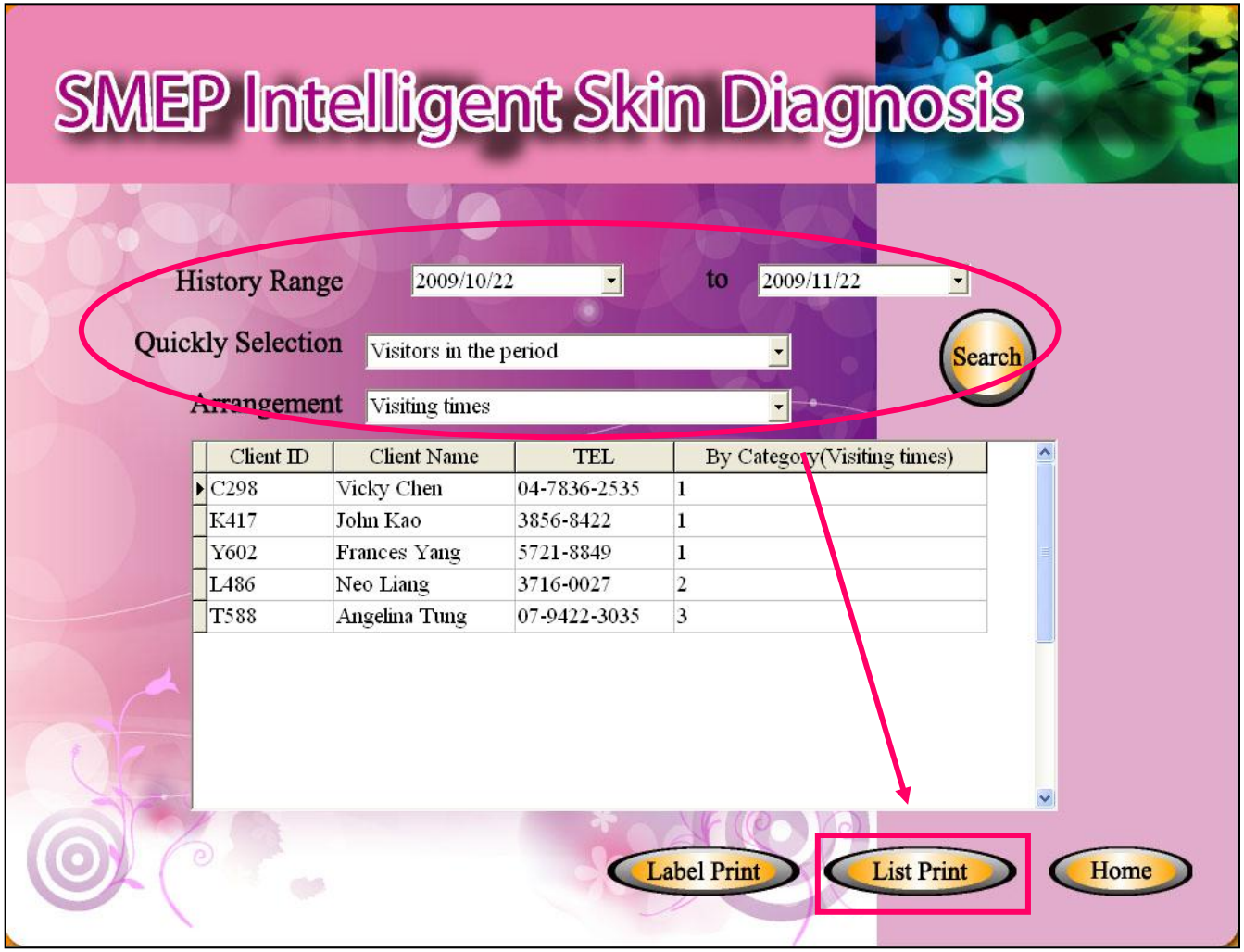


This is “List Print” paper, in which you can find the data listed by “Client Name” category.

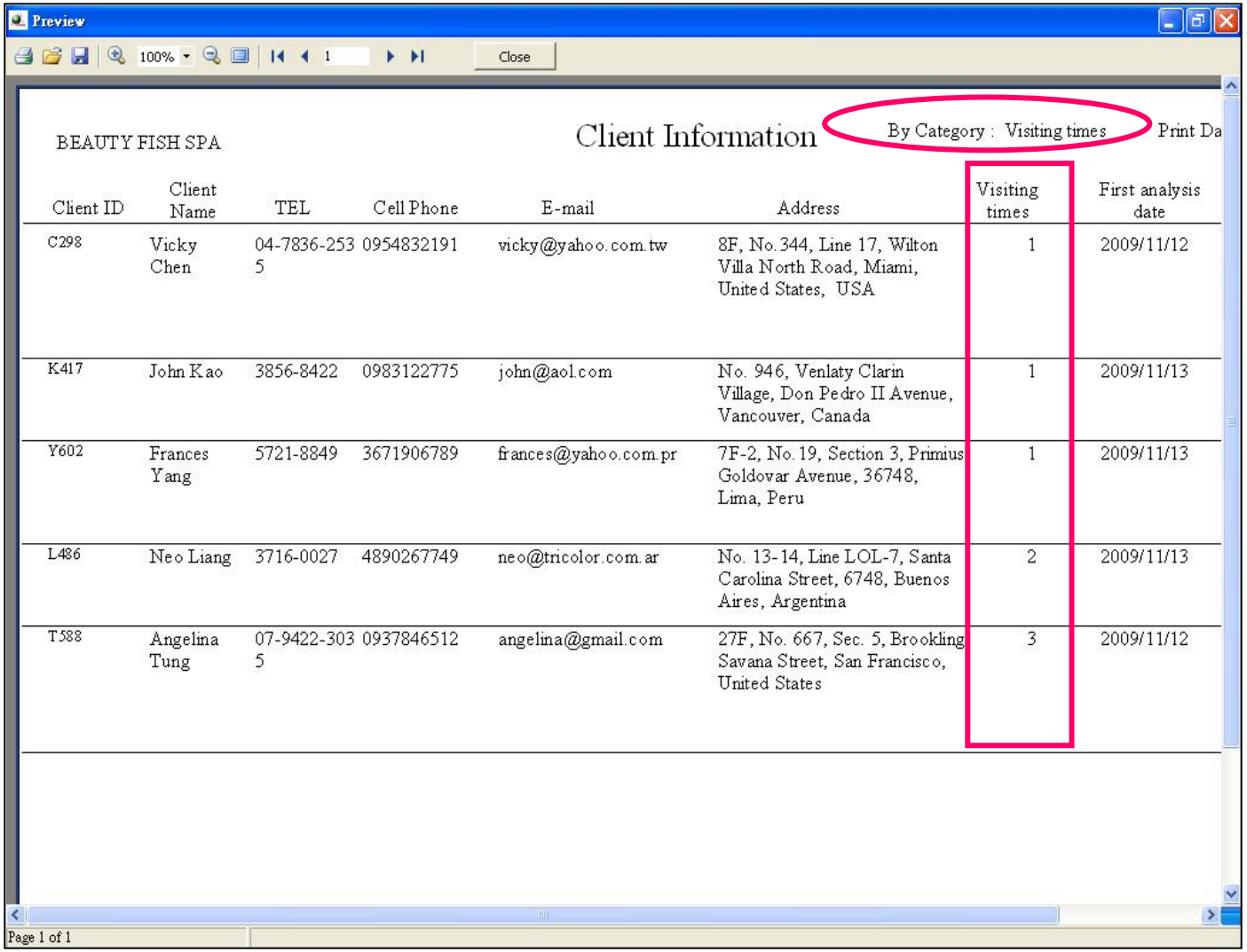


Client ID	Client Name	TEL	Cell Phone	E-mail	Address	Visiting times	First analysis date	T an
T588	Angelina Tung	07-9422-3035	0937846512	angelina@gmail.com	27F, No. 667, Sec. 5, Brookling Savana Street, San Francisco, United States	3	2009/11/12	200
Y602	Frances Yang	5721-8849	3671906789	frances@yahoo.com.pr	7F-2, No. 19, Section 3, Primius Goldovar Avenue, 36748, Lima, Peru	1	2009/11/13	200
K417	John Kao	3856-8422	0983122775	john@aol.com	No. 946, Venlaty Clarin Village, Don Pedro II Avenue, Vancouver, Canada	1	2009/11/13	200
L486	Neo Liang	3716-0027	4890267749	neo@tricolor.com.ar	No. 13-14, Line LOL-7, Santa Carolina Street, 6748, Buenos Aires, Argentina	2	2009/11/13	200
C298	Vicky Chen	04-7836-2535	0954832191	vicky@yahoo.com.tw	8F, No. 344, Line 17, Wilton Villa North Road, Miami, United States, USA	1	2009/11/12	200

After 3 conditions setting and click "**Search**", click "**List Print**" to get the list print form.



This is “List Print” paper, in which you can find the data is listed by “Visiting times” category.

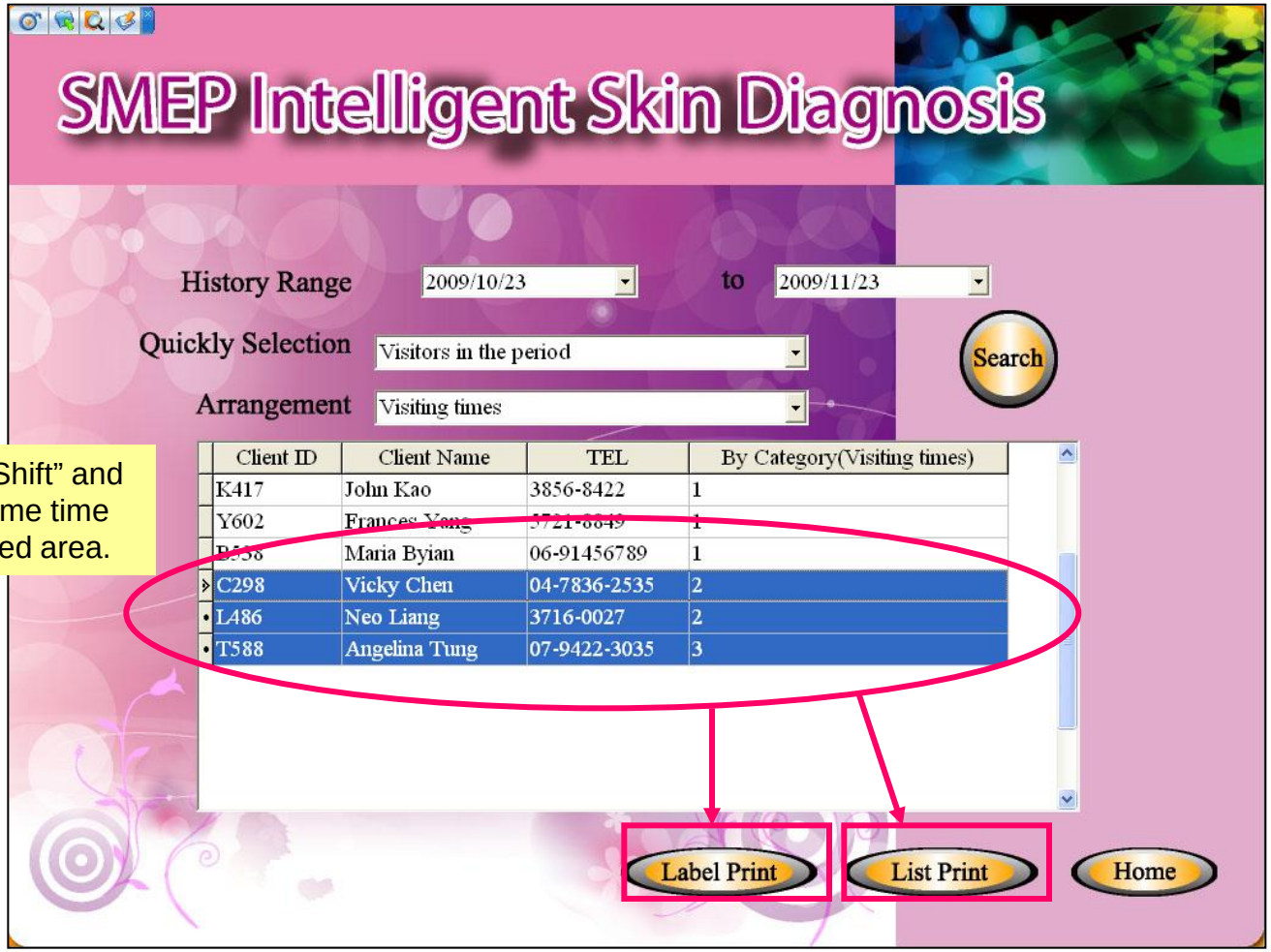


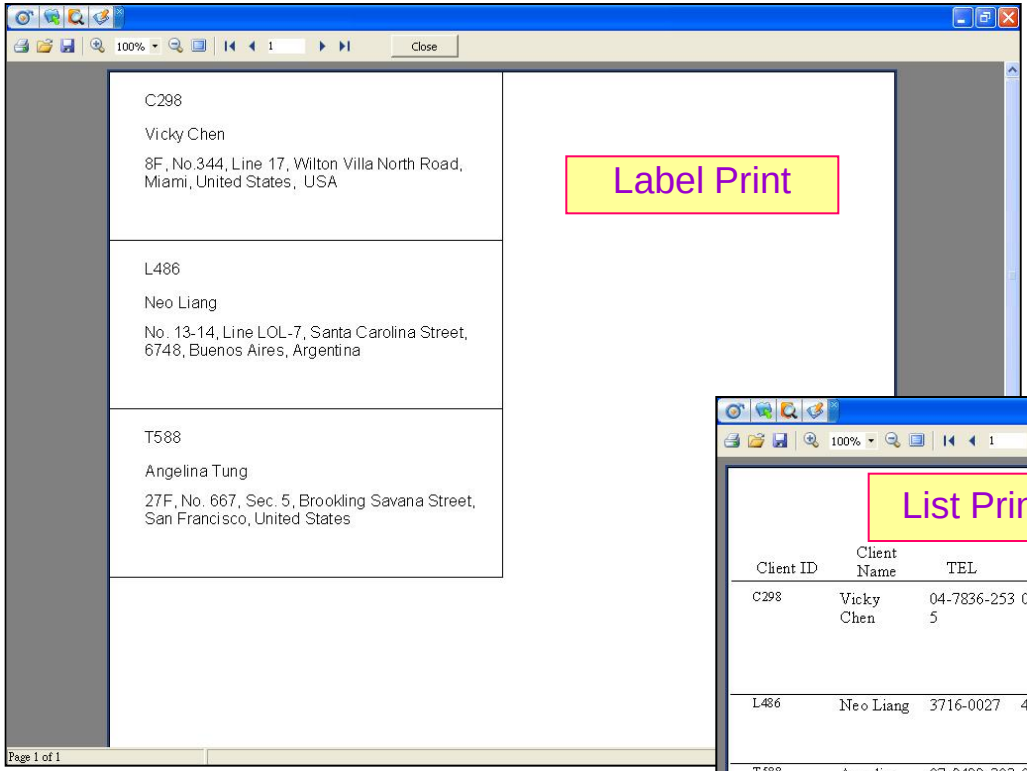
Client ID	Client Name	TEL	Cell Phone	E-mail	Address	Visiting times	First analysis date
C298	Vicky Chen	04-7836-2535	0954832191	vicky@yahoo.com.tw	8F, No.344, Line 17, Wilton Villa North Road, Miami, United States, USA	1	2009/11/12
K417	John Kao	3856-8422	0983122775	john@aol.com	No. 946, Venlaty Clarin Village, Don Pedro II Avenue, Vancouver, Canada	1	2009/11/13
Y602	Frances Yang	5721-8849	3671906789	frances@yahoo.com.pr	7F-2, No.19, Section 3, Primius Goldovar Avenue, 36748, Lima, Peru	1	2009/11/13
L486	Neo Liang	3716-0027	4890267749	neo@tricolor.com.ar	No. 13-14, Line LOL-7, Santa Carolina Street, 6748, Buenos Aires, Argentina	2	2009/11/13
T588	Angelina Tung	07-9422-3035	0937846512	angelina@gmail.com	27F, No. 667, Sec. 5, Brookling Savana Street, San Francisco, United States	3	2009/11/12

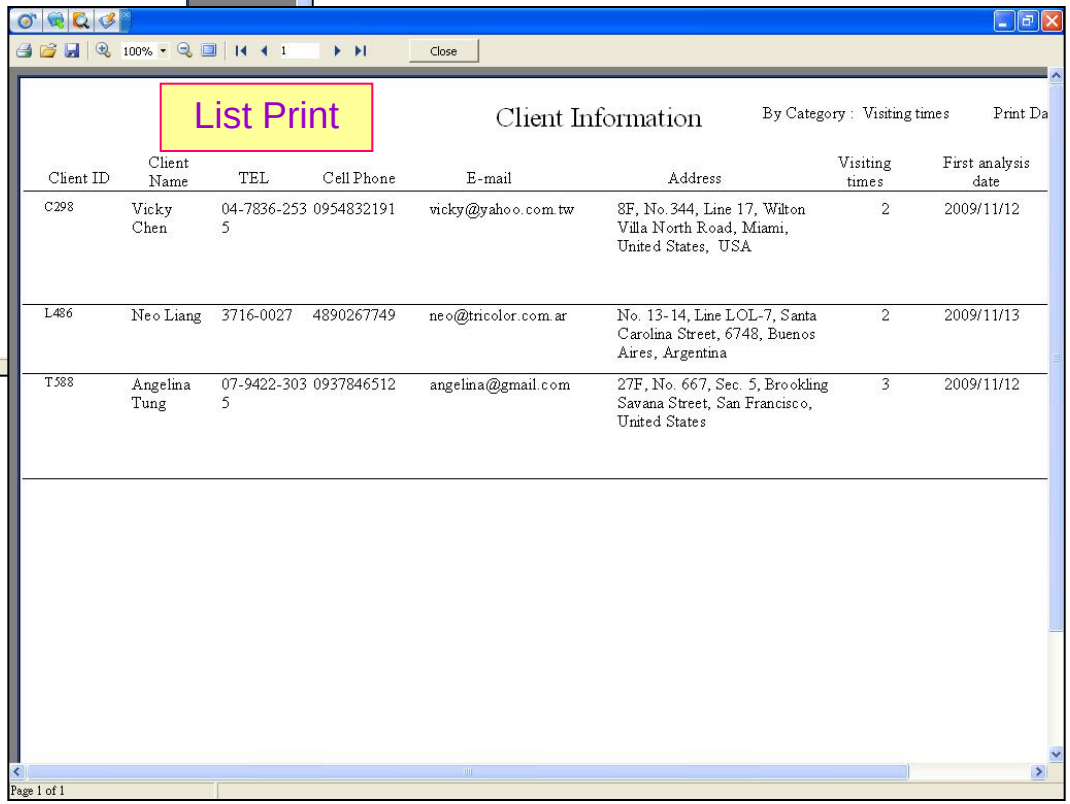
(C) Certain Area Print

If you only want to print client data in a certain area, you can mark the area in advance and then click “Label Print” or “List Print” to get the print form.

Press “Ctrl” or “Shift” and mouse at the same time to get the selected area.




Close
C298
Vicky Chen
8F, No.344, Line 17, Wilton Villa North Road, Miami, United States, USA
L486
Neo Liang
No. 13-14, Line LOL-7, Santa Carolina Street, 6748, Buenos Aires, Argentina
T588
Angelina Tung
27F, No. 667, Sec. 5, Brookling Savana Street, San Francisco, United States
Label Print
Page 1 of 1

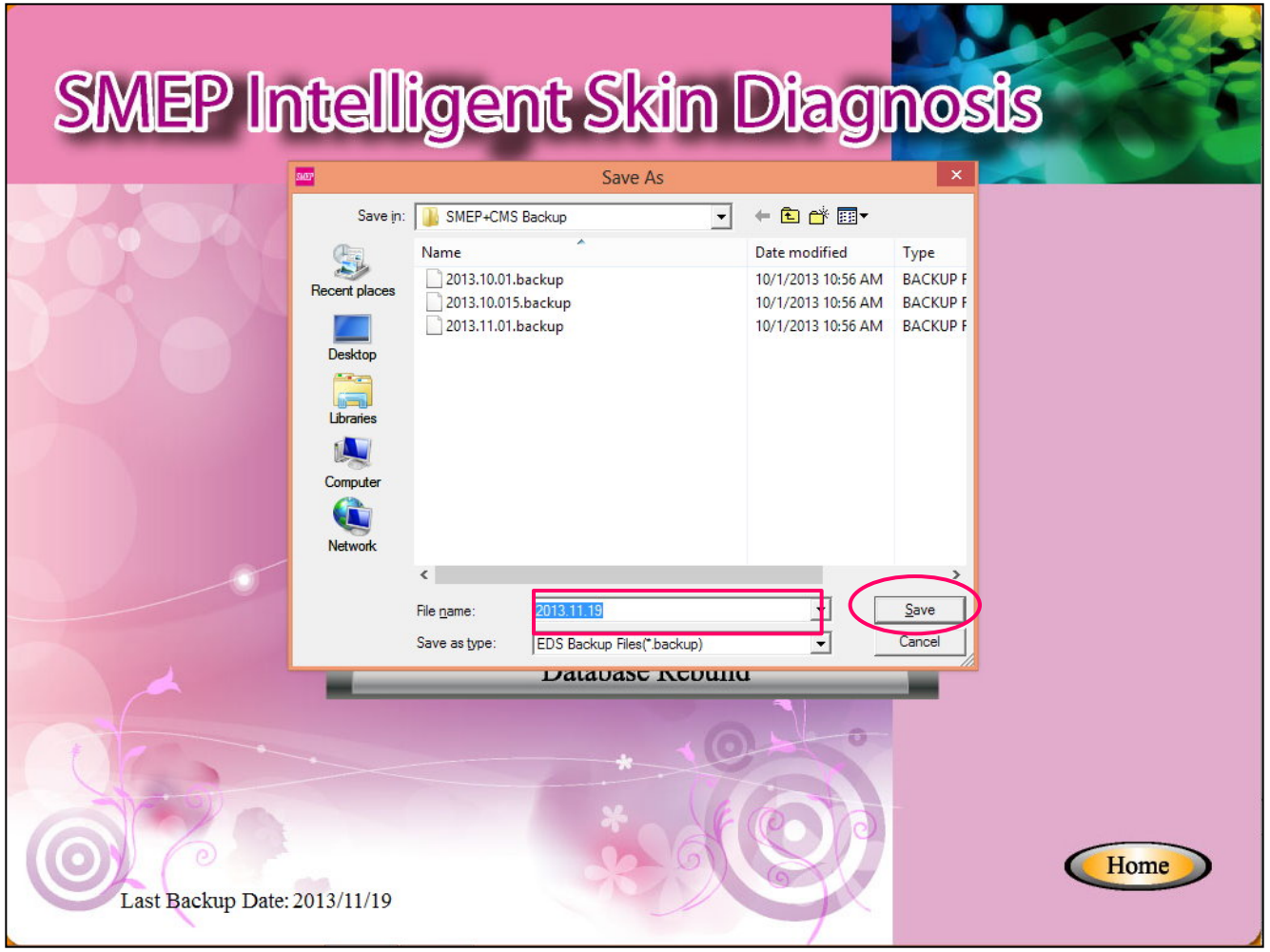

Close
List Print
Client Information
By Category : Visiting times
Print Da
Client ID
Client Name
TEL
Cell Phone
E-mail
Address
Visiting times
First analysis date
C298
Vicky Chen
04-7836-2535
0954832191
vicky@yahoo.com.tw
8F, No.344, Line 17, Wilton Villa North Road, Miami, United States, USA
2
2009/11/12
L486
Neo Liang
3716-0027
4890267749
neo@tricolor.com.ar
No. 13-14, Line LOL-7, Santa Carolina Street, 6748, Buenos Aires, Argentina
2
2009/11/13
T588
Angelina Tung
07-9422-3035
0937846512
angelina@gmail.com
27F, No. 667, Sec. 5, Brookling Savana Street, San Francisco, United States
3
2009/11/12
Page 1 of 1

5. Back Up

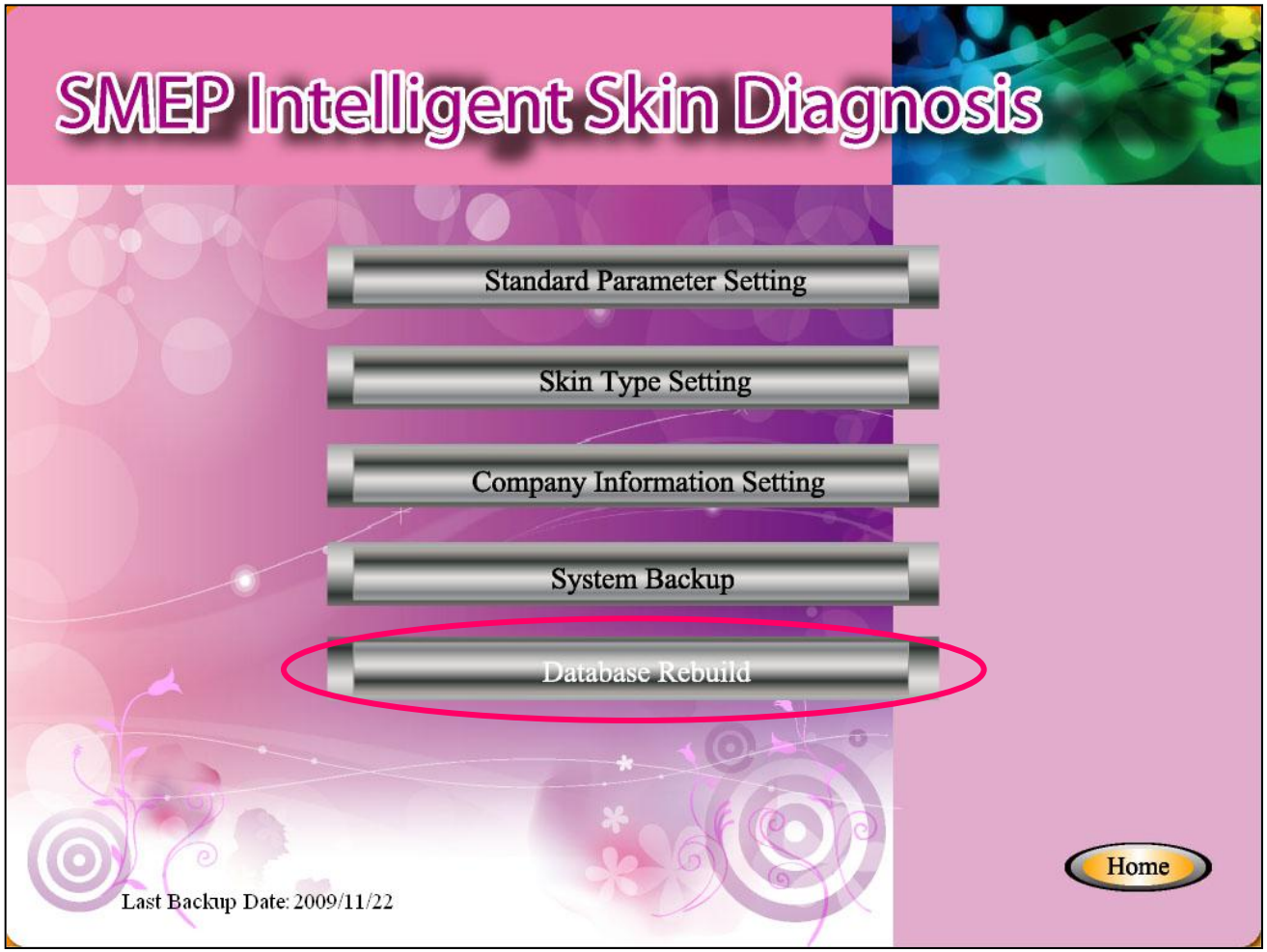
We strongly suggest you to back up your software data frequently! Please click "**System Backup**" from "System Maintain" option in home page.

Here is reminding you the last backup date.

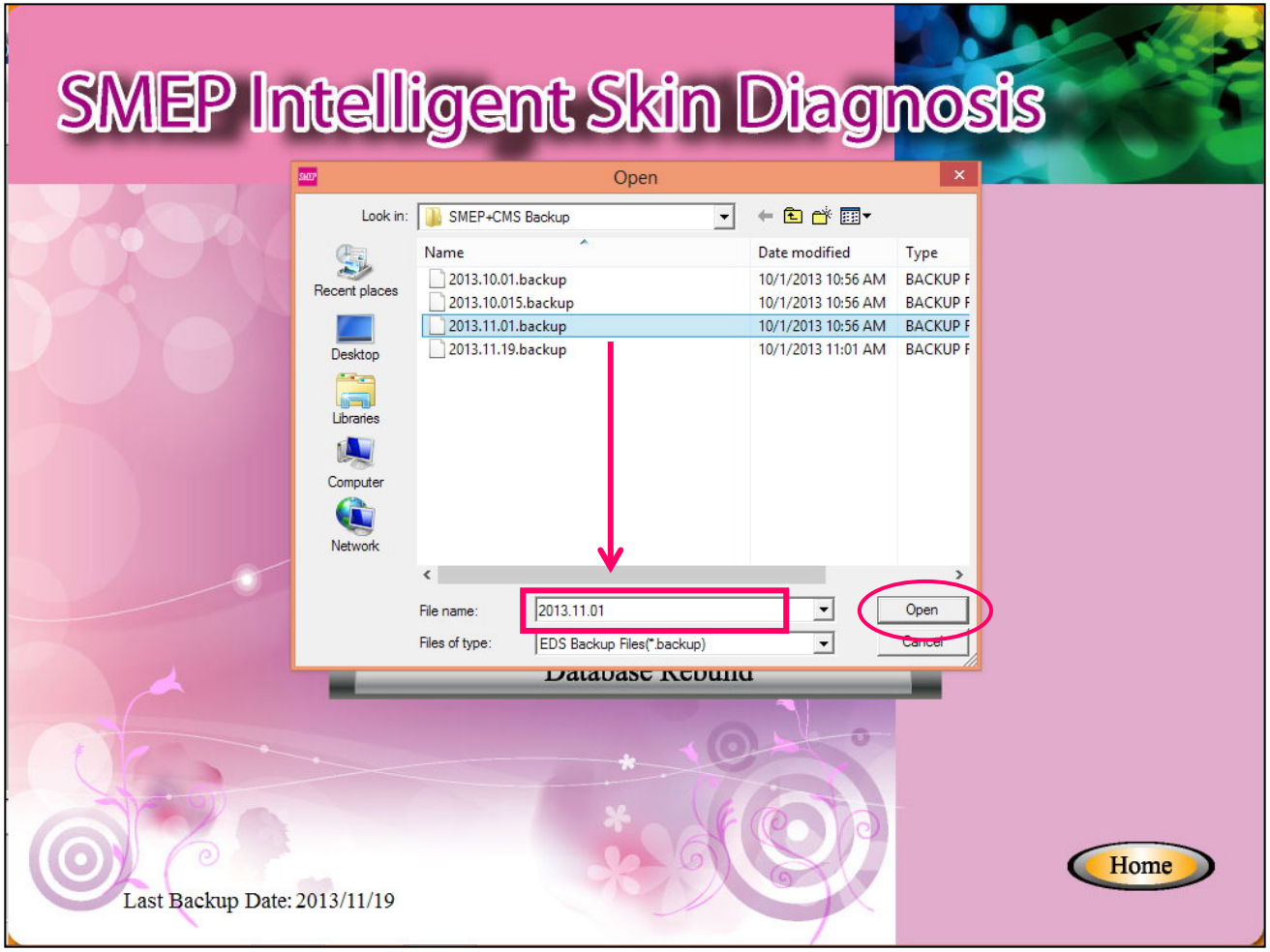
Suggestion: You can back up the data in a certain file by adding the date.



6. Recovery


SMEP Intelligent Skin Diagnosis
Standard Parameter Setting
Skin Type Setting
Company Information Setting
System Backup
Database Rebuild
Home
Last Backup Date: 2009/11/22

Suggestion: You can find the backed up data in your previously storage file / date and recover the data to that certain date if needed.



7. Exit

To exit the software, click “**Exit**”.

If you are sure to exit the system, the system will automatically remind you to back up current SMEP system.